



## SAMPLE DIRECTORY

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## Polycrystals

### Sample directory

Simple elements	Synthesis technique (comments)	Contact	PL*
Fe, Mn, Mo, Nb, V, W	solid state reaction (nanoscopic materials)	nesper@inorg.chem.ethz.ch	R.N.
Fe, Mn, Mo, Nb, V, W	sol-gel process (nanoscopic materials)	nesper@inorg.chem.ethz.ch	R.N.

Binary compounds	Synthesis technique (comments)	Contact	PL*
Aluminides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Borides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Carbides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Germanides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
MgB <sub>2</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
MgB <sub>2</sub> , Mg <sub>1-x</sub> Al <sub>x</sub> B <sub>2</sub> , Mg(B <sub>1-x</sub> C <sub>x</sub> ) <sub>2</sub>	cubic anvil press	karpinski@solid.phys.ethz.ch	H.O.
NdAl <sub>x</sub> Ga <sub>2-x</sub>	arc melting	albert.furrer@psi.ch	A.F.
Nitrides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Silicides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
YMn <sub>2</sub>	arc melting	albert.furrer@psi.ch	A.F.

Ternary compounds	Synthesis technique (comments)	Contact	PL*
Chevrel Phases	sintering @ 3 kBar	michel.decroux@physics.unige.ch	Ø.F.
Ca <sub>2</sub> RuO <sub>4</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
LaFeO <sub>3</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
(La,Nd)NiO <sub>3</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
La <sub>1-x</sub> Sr <sub>x</sub> CuO <sub>4</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
La <sub>1-x</sub> Ca <sub>x</sub> MnO <sub>3</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
LiBC	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
SrRuO <sub>3</sub>	solid state reaction	helmuth.berger@epfl.ch	G.M.
SrRuO <sub>3</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
<sup>18</sup> O substitution for <sup>16</sup> O	oxygen isotope exchange (for cuprates and manganites)	albert.furrer@psi.ch	A.F.

Quaternary <sup>+</sup> compounds	Synthesis technique (comments)	Contact	PL*
Ca <sub>2+x</sub> Y <sub>2-x</sub> Cu <sub>5</sub> O <sub>10</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
Ca <sub>0.83</sub> CuO <sub>2</sub> , Sr <sub>0.73</sub> CuO <sub>2</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
Ca <sub>14</sub> Cu <sub>24</sub> O <sub>41</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
(Hg,Pb,Re)Ba <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+2</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
HoBaCo <sub>2</sub> O <sub>5</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
Ho <sub>x</sub> Sr <sub>1-x</sub> CoO <sub>3</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
LiVSi <sub>2</sub> O <sub>6</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
NaVGe <sub>2</sub> O <sub>6</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
RuSr <sub>2</sub> GdCu <sub>2</sub> O <sub>8</sub>	solid state reaction	helmuth.berger@epfl.ch	G.M.
YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub>	solid state reaction	albert.furrer@psi.ch	A.F.
YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> , Y(Ba <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
<sup>18</sup> O substitution for <sup>16</sup> O	oxygen isotope exchange (for cuprates and manganites)	albert.furrer@psi.ch	A.F.



## Single crystals

### Sample directory

Simple elements	Synthesis technique (comments)	Contact	PL*
C <sub>60</sub>	vapor transport	helmuth.berger@epfl.ch	G.M.
C <sub>70</sub>	vapor transport	helmuth.berger@epfl.ch	G.M.
Fe, Mn, Mo, Nb, V, W	solid state reaction (nanoscopic materials)	nesper@inorg.chem.ethz.ch	R.N.
Fe, Mn, Mo, Nb, V, W	sol-gel process (nanoscopic materials)	nesper@inorg.chem.ethz.ch	R.N.

Binary compounds	Synthesis technique (comments)	Contact	PL*
Aluminides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
(Al,Be,Gd,Mg) <sub>x</sub> Ga <sub>1-x</sub> N	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
Borides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Carbides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
Fe <sub>2</sub> O <sub>3</sub> , Fe <sub>3</sub> O <sub>4</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
GaSe, GaS, GaTe	Bridgman-method (different dopings)	helmuth.berger@epfl.ch	G.M.
Germanides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
HfS <sub>2</sub> , HfSe <sub>2</sub> , HfTe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
InSe	Bridgman-method (different dopings)	helmuth.berger@epfl.ch	G.M.
MgB <sub>2</sub>	cubic anvil press	rene.flukiger@physics.unige.ch	R.F.
MgB <sub>2</sub> , Mg <sub>1-x</sub> Al <sub>x</sub> B <sub>2</sub> , Mg(B <sub>1-x</sub> C <sub>x</sub> ) <sub>2</sub>	cubic anvil press	karpinski@solid.phys.ethz.ch	H.O.
Mo <sub>4</sub> O <sub>11</sub> Typ 1 T <sub>p</sub> = 30/109 K	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
Mo <sub>4</sub> O <sub>11</sub> Typ 2 T <sub>p</sub> = 100 K	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
MoS <sub>2</sub> , MoSe <sub>2</sub> , MoTe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
MoO <sub>3</sub> , WO <sub>3</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
Nitrides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
NbSe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
NbS <sub>3</sub> , NbSe <sub>3</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
Silicides	solid state reaction	nesper@inorg.chem.ethz.ch	R.N.
TaS <sub>2</sub> , TaSe <sub>2</sub>	chemical vapor transport (different polytyp)	helmuth.berger@epfl.ch	G.M.
TaS <sub>3</sub> , TaSe <sub>3</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
TaTe <sub>4</sub> , NbTe <sub>4</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
TiO <sub>2</sub> , RuO <sub>2</sub> , IrO <sub>2</sub> , OsO <sub>2</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
TiS <sub>2</sub> , TiSe <sub>2</sub> , TiTe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
WS <sub>2</sub> , WSe <sub>2</sub> , WTe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
ZrS <sub>2</sub> , ZrSe <sub>2</sub> , ZrTe <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.

\*MaNEP project leader or associate initials



## Single crystals

### Sample directory

Ternary compounds	Synthesis technique (comments)	Contact	PL*
BaVS <sub>3</sub> , BaV <sub>1-x</sub> Ti <sub>x</sub> S <sub>3</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
BiOCl, BiOBr, BiOI	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
CaRuO <sub>3</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
(Cd,Fe,Hg,Mn,Ni,Sn)PS <sub>3</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
InSeCl, InSeBr, InSeI	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
InSbCl, InSbBr, InSI	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
InTeCl, InTeBr, InTeI	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
MnNb <sub>3</sub> S <sub>6</sub> , MnNb <sub>3</sub> Se <sub>6</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
Nb <sub>4</sub> Se <sub>16</sub> Br <sub>2</sub> , Ta <sub>4</sub> Se <sub>16</sub> Br <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
(NbSe <sub>4</sub> ) <sub>3</sub> I, (NbSe <sub>4</sub> ) <sub>3,33</sub> I	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
Nb <sub>4</sub> Te <sub>17</sub> I <sub>4</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
SrRuO <sub>3</sub>	solid state reaction, self-flux method	helmuth.berger@epfl.ch	G.M.
(TaSe <sub>4</sub> )I <sub>2</sub>	chemical vapor transport (different dopings)	albert.furrer@psi.ch	A.F.
<sup>18</sup> O substitution for <sup>16</sup> O	oxygen isotope exchange (for cuprates and manganites)	helmuth.berger@epfl.ch	G.M.

Quaternary + compounds	Synthesis technique (comments)	Contact	PL*
AgVP <sub>2</sub> S <sub>6</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
Bi <sub>2</sub> Sr <sub>2</sub> CuO <sub>6</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
(Bi,Pb) <sub>2</sub> Sr <sub>2</sub> CuO <sub>6</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
(Bi,Pb) <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
(Bi,Pb) <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>	self-flux method	rene.flukiger@physics.unige.ch	R.F.
Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>	zone melting	rene.flukiger@physics.unige.ch	R.F.
(Bi,Pb) <sub>2</sub> Sr <sub>2</sub> Ca <sub>1-x</sub> RE <sub>x</sub> Cu <sub>2</sub> O <sub>8</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
Bi <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub>	zone melting	rene.flukiger@physics.unige.ch	R.F.
Ca <sub>2</sub> CuO <sub>2</sub> Cl <sub>2</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> Cl <sub>2</sub> , Cu <sub>2</sub> Te <sub>2</sub> O <sub>5</sub> Br <sub>2</sub>	chemical vapor transport	helmuth.berger@epfl.ch	G.M.
Hg <sub>x</sub> (Pb,Re) <sub>1-x</sub> Ba <sub>2</sub> Ca <sub>n-1</sub> Cu <sub>n</sub> O <sub>2n+2</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
REBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub>	self-flux method	rene.flukiger@physics.unige.ch	R.F.
Sr <sub>2</sub> CuO <sub>2</sub> Cl <sub>2</sub>	self-flux method	helmuth.berger@epfl.ch	G.M.
YBa <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub> , Y(Ba <sub>1-x</sub> Sr <sub>x</sub> ) <sub>2</sub> Cu <sub>4</sub> O <sub>8</sub>	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
<sup>18</sup> O substitution for <sup>16</sup> O	oxygen isotope exchange (for cuprates and manganites)	albert.furrer@psi.ch	A.F.

Organic compounds	Synthesis technique (comments)	Contact	PL*
2,3-Benzanthracene	vapor transport	helmuth.berger@epfl.ch	G.M.
1,2-Benzanthracene	vapor transport	helmuth.berger@epfl.ch	G.M.
Pentacene	vapor transport	helmuth.berger@epfl.ch	G.M.
Stilben	vapor transport	helmuth.berger@epfl.ch	G.M.



## Thin films

### Sample directory

Simple elements	Synthesis technique (comments)	Contact	PL*
Carbon nanotubes	chemical vapor deposition	pierangelo.groening@unifr.ch	L.S.
Metals	evaporation	pierangelo.groening@unifr.ch	L.S.
Ag, Al, Au, Cu, Nb, Ni, Pd, Pt, Si, Ta, Ti, ...	magnetron sputtering (optical filters, cathalyzers, protection layers)	albert.furrer@psi.ch	A.F.

Binary compounds	Synthesis technique (comments)	Contact	PL*
Nitrides, carbides, oxides	reactive evaporation	pierangelo.groening@unifr.ch	L.S.
Nitrides	magnetron sputtering (optical filters, cathalyzers, protection layers)	albert.furrer@psi.ch	A.F.

Ternary compounds	Synthesis technique (comments)	Contact	PL*
$\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.
$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$	magnetron sputtering	isabelle.joumard@physics.unige.ch	Ø.F.
$\text{La}_{5/8-x}\text{Pr}_x\text{Ca}_{3/8}\text{MnO}_3$	magnetron sputtering	isabelle.joumard@physics.unige.ch	Ø.F.
$\text{PbTiO}_3$	magnetron sputtering	lichtensteiger@physics.unige.ch	J.T.
$\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.
$\text{PbZr}_{0.2}\text{Ti}_{0.8}\text{O}_3$	magnetron sputtering	patrycja.paruch@physics.unige.ch	J.T.
$\text{SrRu}_{0.37}\text{Ti}_{0.63}\text{O}_3$	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.
$\text{SrRuO}_3$	magnetron sputtering	patrycja.paruch@physics.unige.ch	J.T.
$^{18}\text{O}$ substitution for $^{16}\text{O}$	oxygen isotope exchange (for cuprates and manganites)	albert.furrer@psi.ch	A.F.

Quaternary + compounds	Synthesis technique (comments)	Contact	PL*
$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	magnetron sputtering	serge.reymond@physics.unige.ch	Ø.F.
$(\text{Gd}, \text{Nd}, \text{Pr}, \text{Y})\text{Ba}_2\text{Cu}_3\text{O}_7$	magnetron sputtering	daniel.matthey@physics.unige.ch	J.T.
$(\text{Nd}, \text{Pr})\text{Ba}_2\text{Cu}_3\text{O}_7$	magnetron sputtering	treboux@physics.unige.ch	Ø.F.
$\text{YBa}_2\text{Cu}_3\text{O}_7$	co-evaporation (large surface thin films)	louis.antognazza@physics.unige.ch	Ø.F.
$^{18}\text{O}$ substitution for $^{16}\text{O}$	oxygen isotope exchange (for cuprates and manganites)	albert.furrer@psi.ch	A.F.

Polymers	Synthesis technique (comments)	Contact	PL*
Inorganic polymers (e.g. Teflon)	plasma-polymerisation	pierangelo.groening@unifr.ch	L.S.

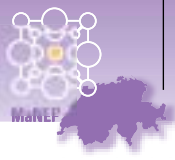
\*MaNEP project leader or associate initials



## Multilayers, wires and more

### Sample directory

Multilayers	Synthesis technique (comments)	Contact	PL*
Metals - simple elements	evaporation	pierangelo.groening@unifr.ch	L.S.
<i>Neutron applications:</i>			
Ni/Ti supermirrors	magnetron sputtering	albert.furrer@psi.ch	A.F.
Fe/Si polarizing supermirrors	magnetron sputtering	albert.furrer@psi.ch	A.F.
FeCoV/Ti remnant p. s.	magnetron sputtering	albert.furrer@psi.ch	A.F.
Ni/Ti monochromators	magnetron sputtering	albert.furrer@psi.ch	A.F.
<i>Synchrotron applications:</i>			
W/C supermirrors	magnetron sputtering	albert.furrer@psi.ch	A.F.
Mo/Si supermirrors	magnetron sputtering	albert.furrer@psi.ch	A.F.
Fe/C supermirrors	magnetron sputtering	albert.furrer@psi.ch	A.F.
Thick films	Synthesis technique (comments)	Contact	PL*
YBa <sub>2</sub> Cu <sub>3</sub> O <sub>7</sub>	spray pyrolysis (thickness: 0.5 - 3 μm)	rene.flukiger@physics.unige.ch	R.F.
Wires, tapes, meanders	Synthesis technique (comments)	Contact	PL*
Bi <sub>2</sub> Sr <sub>2</sub> CaCu <sub>2</sub> O <sub>8</sub>	ABB technology	make.chen@ch.abb.com	W.P.
(Bi,Pb) <sub>2</sub> Sr <sub>2</sub> Ca <sub>2</sub> Cu <sub>3</sub> O <sub>10</sub>	powder in tube	rene.flukiger@physics.unige.ch	R.F.
MgB <sub>2</sub>	powder in tube	rene.flukiger@physics.unige.ch	R.F.
Nb <sub>3</sub> Sn	bronze technique	rene.flukiger@physics.unige.ch	R.F.



## Perovskites only

### Sample directory

Cuprates	Sample type	Synthesis technique	Contact	PL*
$\text{La}_{1-x}\text{Sr}_x\text{CuO}_4$	polycrystals	solid state reaction	albert.furrer@psi.ch	A.F.
$\text{Bi}_2\text{Sr}_2\text{CuO}_6$	single crystals	self-flux method	helmuth.berger@epfl.ch	G.M.
$(\text{Bi,Pb})_2\text{Sr}_2\text{CuO}_6$	single crystals	self-flux method	helmuth.berger@epfl.ch	G.M.
$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	thin films	magnetron sputtering	serge.reymond@physics.unige.ch	Ø.F.
$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	single crystals	self-flux method	helmuth.berger@epfl.ch	G.M.
$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	meanders	ABB technology	make.chen@ch.abb.com	W.P.
$\text{Bi}_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	single crystals	zone melting	rene.flukiger@physics.unige.ch	R.F.
$(\text{Bi,Pb})_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	single crystals	self-flux method	helmuth.berger@epfl.ch	G.M.
$(\text{Bi,Pb})_2\text{Sr}_2\text{CaCu}_2\text{O}_8$	single crystals	self-flux method	rene.flukiger@physics.unige.ch	R.F.
$\text{Bi}_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$	single crystals	zone melting	rene.flukiger@physics.unige.ch	R.F.
$(\text{Bi,Pb})_2\text{Sr}_2\text{Ca}_2\text{Cu}_3\text{O}_{10}$	wires, tapes	powder in tube	rene.flukiger@physics.unige.ch	R.F.
$(\text{Bi,Pb})_2\text{Sr}_2\text{Ca}_{1-x}\text{RE}_x\text{Cu}_2\text{O}_8$	single crystals	self-flux method	helmuth.berger@epfl.ch	G.M.
$(\text{Hg,Pb,Re})\text{Ba}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+2}$	polycrystals	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
$\text{Hg}_x(\text{Pb,Re})_{1-x}\text{Ba}_2\text{Ca}_{n-1}\text{Cu}_n\text{O}_{2n+2}$	single crystals	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.
$(\text{Gd,Nd,Pr,Y})\text{Ba}_2\text{Cu}_3\text{O}_7$	thin films	magnetron sputtering	daniel.matthey@physics.unige.ch	J.T.
$(\text{Nd,Pr})\text{Ba}_2\text{Cu}_3\text{O}_7$	thin films	magnetron sputtering	treboux@physics.unige.ch	Ø.F.
$\text{REBa}_2\text{Cu}_3\text{O}_7$	single crystals	self-flux method	rene.flukiger@physics.unige.ch	R.F.
$\text{RuSr}_2\text{GdCu}_2\text{O}_8$	polycrystals	solid state reaction	helmuth.berger@epfl.ch	G.M.
$^{18}\text{O}$ substitution for $^{16}\text{O}$	crystals & thin films	oxygen isotope exchange	albert.furrer@psi.ch	A.F.
$\text{YBa}_2\text{Cu}_3\text{O}_7$	polycrystals	solid state reaction	albert.furrer@psi.ch	A.F.
$\text{YBa}_2\text{Cu}_3\text{O}_7$	thin films	co-evaporation	louis.antognazza@physics.unige.ch	Ø.F.
$\text{YBa}_2\text{Cu}_3\text{O}_7$	thick films	spray pyrolysis	rene.flukiger@physics.unige.ch	R.F.
$\text{YBa}_2\text{Cu}_4\text{O}_8, \text{Y}(\text{Ba}_{1-x}\text{Sr}_x)_2\text{Cu}_4\text{O}_8$	single & polycrystals	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.

Ferrites	Sample type	Synthesis technique	Contact	PL*
$\text{LaFe}_x\text{CuO}_3$	polycrystals	solid state reaction	albert.furrer@psi.ch	A.F.

Manganites	Sample type	Synthesis technique	Contact	PL*
$\text{La}_{0.7}\text{Sr}_{0.3}\text{MnO}_3$	thin films	magnetron sputtering	isabelle.joumard@physics.unige.ch	Ø.F.
$\text{La}_{0.7}\text{Ca}_{0.3}\text{MnO}_3$	thin films	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.
$\text{La}_{1-x}\text{Ca}_x\text{MnO}_3$	polycrystals	solid state reaction	albert.furrer@psi.ch	A.F.
$\text{La}_{5/8-x}\text{Pr}_x\text{Ca}_{3/8}\text{MnO}_3$	thin films	magnetron sputtering	isabelle.joumard@physics.unige.ch	Ø.F.
$^{18}\text{O}$ substitution for $^{16}\text{O}$	crystals & thin films	oxygen isotope exchange	albert.furrer@psi.ch	A.F.

Nitrides	Sample type	Synthesis technique	Contact	PL*
$(\text{La,Nd})\text{NiO}_3$	polycrystals	high pressure growth	karpinski@solid.phys.ethz.ch	H.O.

\*MaNEP project leader or associate initials



## Perovskites only

### Sample directory

Ruthenates	Sample type	Synthesis technique	Contact	PL*
CaRuO <sub>3</sub>	single crystals	self-flux method	helmuth.berger@epfl.ch	M.G.
Ca <sub>2</sub> RuO <sub>4</sub>	polycrystals	solid state reaction	albert.furrer@psi.ch	A.F.
SrRuO <sub>3</sub>	thin films	magnetron sputtering	patrycja.paruch@physics.unige.ch	J.T.
SrRuO <sub>3</sub>	polycrystals	solid state reaction	helmuth.berger@epfl.ch	M.G.
SrRuO <sub>3</sub>	polycrystals	self-flux method	helmuth.berger@epfl.ch	M.G.

Titanates	Sample type	Synthesis technique	Contact	PL*
PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub>	thin films	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.
PbZr <sub>0.2</sub> Ti <sub>0.8</sub> O <sub>3</sub>	thin films	magnetron sputtering	patrycja.paruch@physics.unige.ch	J.T.
PbTiO <sub>3</sub>	thin films	magnetron sputtering	lichtensteiger@physics.unige.ch	J.T.
SrRu <sub>0.37</sub> Ti <sub>0.63</sub> O <sub>3</sub>	thin films	magnetron sputtering	olivier.kuffer@physics.unige.ch	Ø.F.