```
# everything after #-symbol is a comment
# hinit;

brhoriz 10;
             # horizontal beam reduction to 10mm
psinq 1500;
# psweep 1.5; 1.5h/sweep
hs_sch 'lt',-404;
hd_stxy 0.6,1.7; # for a3=-15
             # choice of sample changer for
             # low-T for 4 samples
hs_resol 'HI';
brvert 15;
             # vertical beam reduction to 15mm
hs_lambda '1p89';

hs_sweep 0.15, 2.55, 3.61;
             # we redefine the default sweep behavior to cover
             # low 2theta angles
ttol 2;
hcount -5,'AB03 cooling_down',     3,1;

hs_sweep;
             # we restore the default angular sweep
hsms '+41765900698','low temperature statistics for A2B207 is
started';
             # we send an SMS here
hcount 12,'A2B207 0.55g V6x10',    2,'1K';
hsms '+41765900698','low temperature statistics for A2B207 is done';

for ($t=5; $t<15.1; $t += 5) {
    hs_sweep;
    hcount 2,'A2B207 tscan 0.55g V6x10',   2,$t,'300 1';
}

hs_sweep 0.15, 2.55, 3.61;
hcount 6,'A0.9B0.1FeO3 0.9g V6x5',4,'15K';
hs_sweep;
$t=20;
hcount 2,'A2B207 tscan 0.55g V6x10',   2,$t,'300 1';
hs_sweep 0.15, 2.55, 3.61;
hcount 2,'AB03 tscan 0.96g V6x5',      3,$t;

for ($t=25; $t<40.1; $t += 5) {
hs_sweep;
hcount 2,'A2B207 tscan 0.55g V6x10',   2,$t,'300 1';
}

hs_sweep 0.15, 2.55, 3.61;
hcount 2,'AB03 tscan 0.96g V6x5',      3,40;
hs_sweep;
hcount 2,'A2B207 tscan 0.55g V6x10',   2,45,'300 1';
hcount 2,'A2B207 tscan 0.55g V6x10',   2,50,'300 1';
hcount 12,'A2B207 0.55g V6x10',    2,'50K';
hsms '+41765900698','50K temperature statistics for A2B207 is done';

hs_sweep 0.15, 2.55, 3.61;
hcount 6,'AB03 0.96g V6x5',        3,50;
hcount 2,'AB03 tscan 0.96g V6x5',      3,60,300;
hs_sweep;
hcount 2,'A2B207 tscan 0.55g V6x10',   2,60;
hs_sweep 0.15, 2.55, 3.61;
hcount 2,'AB03 tscan 0.96g V6x5',      3,80,300;
hs_sweep;
hcount 2,'A2B207 tscan 0.55g V6x10',   2,80;
hs_sweep 0.15, 2.55, 3.61;
hcount 6,'AB03 0.96g V6x5',        3,100;
hcount 6,'AB03 0.96g V6x5',        3,120;
```

```
for ($t=140; $t<220.1; $t += 20) {
    hs_sweep 0.15, 2.55, 3.61;
    hcount 2,'AB03 tscan 0.96g V6x5',     3,$t,'300 2';
}
hs_sweep;
hcount 6,'A2B207 0.55g V6x10',   2,290,'300 5';
hs_sweep 0.15, 2.55, 3.61;
hcount 6,'A0.9B0.1Fe03 0.9g V6x5',4,290;
hcount 6,'AB03 0.96g V6x5',     3,290;
hs_lambda '1p15';
hs_sweep;
hcount 6,'A2B207 0.55g V6x10',   2,290,'300 5';
hs_sweep 0.15, 2.55, 3.61;
hcount 6,'A0.9B0.1Fe03 0.9g V6x5',4,290;
hcount 6,'AB03 0.96g V6x5',     3,290;

for ($t=7.5; $t<300; $t += 5) {
    hs_sweep;
    hcount 2,'A2B207 tscan 0.55g V6x10',   2,$t,'300 1';
}


__END__
hs_lambda '1p89';
hcount 1,'NAC8',1;
```