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SLDP  RUN          32 CELL SOLENOID-DIPOLE MUON COOLING RING
. sldp_ring24dec10.syn
. 4 superperiods, with 4-cell arc + 4-cell straight section
. 4 bending 90deg cells per arc and 4 non-bending 67.5deg cells per straight;
. Superperiod tune 1.75, Ring tune 7
    SIZE 7
CFAC  =          3.33564095
PC    =          0.145
BRHO  =          CFAC      *          PC
BRHO  =          0.48366794
NDIP  =          32.
LB    =          0.20
LBH   =          0.10
EPS   =          2.8125
B0    =          0.47483989
RHO   =          1.01859164
BSOL  =          2.22964441
THET  =          0.19634954
THETD =          11.25
EPS   =          2.8125
BSLS  =          1.92161427
LSOL  =          0.25
LSOLH =          0.125
LO    =          0.20
LOO   =          0.20
LSOLS =          0.25
LSLSH =          0.125
LOS   =          0.5083
LOOS  =          0.5751
LCB   =          1.45
LARC  =          5.8
LSS   =          5.2
LSP   =          11.
CIRC  =          44.
MUCB  =          0.25
MUSSL =          0.37524

. Dipole
B      MAG      LB      0.      BRHO      B0      EPS      EPS
BH     MAG      LBH     0.      BRHO      B0
EDG    MAG      0.      0.      BRHO      B0      EPS
.      WMA      EDG

. Drifts and solenoids
SRA    SUB
O      DRF      LO
OO     DRF      LOO
SOL+   SOL      LSOL      0.      BRHO      BSOL
SOL-   SOL      LSOL      0.      BRHO      -BSOL
SOLH+  SOL      LSOLH     0.      BRHO      BSOL
SOLH-  SOL      LSOLH     0.      BRHO      -BSOL
MCB+   MMM      CB+
END

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