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SRS    SUB
OS     DRF          LOS
OOS    DRF          LOOS
SOLS+  SOL          LSOLS    0.      BRHO    BSLS
SOLS-  SOL          LSOLS    0.      BRHO    -BSLS
SLSH+  SOL          LSLSH    0.      BRHO    BSLS
SLSH-  SOL          LSLSH    0.      BRHO    -BSLS
MSSL   MMM          SSL
      END
.
.Beamlines
. Arc:
CB+    BML          OO    B    O    SOLH+    SOLH+    O    B    OO
CB-    BML          OO    B    O    SOLH-    SOLH-    O    B    OO
ARCH   BML          CB+   CB-
ARC    BML          ARCH  ARCH
. Staigh section:
CS1+   BML          OS    SLSH+    SLSH+    OS
CS2-   BML          OS    SLSH-    SLSH-    OOS
CS3+   BML          OOS   SLSH+    SLSH+    OS
CS4-   BML          OS    SLSH-    SLSH-    OS
SSL    BML          CS1+    CS2-
SSR    BML          CS3+    CS4-
SS     BML          SSL     SSR
. Superperiod and ring
SP     BML          SSR     ARCH     ARCH     SSL
RING   BML          SP      SP      SP      SP
.
.Approximate beta values and plots - no solenoid coupling
TSP    BEST    1    SP
      BEP    10  10 TSP          2.0      0.0      1.0      0    0
.Include solenoid coupling
DPP    =          0.0
PV     PVEC      0.      0.      0.      0.      0.      DPP
      FXPT    2    1 PV    SP      1    1
      STOP
C=====
C....,....1....,....2....,....3....,....4....,....5....,....6....,....7....,....8
C=====
      CALL      SRA
      CALL      SRS
LDIPS  =        NDIP    *      LB
RHO    CALC      RCL   LDIPS 2.  /    RCL   PI    /
B0     =        BRHO    /      RHO
THET   =        TPI     /      NDIP
THETD  =        360.    /      NDIP
EPS    =        THETD   /      4.
      PRNT      B0      BRHO    RHO      THET      THETD    EPS
-      FITQ     -1 SRA  MCB+  BSOL      1      MUCB      .00001
-      FITQ     -1 SRS  MSSL BSLS      1      MUSSL      .00001
C=====

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