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```
from epics import caput,caget,cainfo
import time,os
import numpy as np

def coilprepare():
    for i in ['1','2','3','4']:
        coil=caget('K1:VIS-Yend_Fil_COIL'+i+'_SW2R')

        inonoffjudge=int((coil/4)%2)
        offsetjudge=int((coil/8)%2)
        limitjudge=int((coil/256)%2)
        decimationjudge=int((coil/512)%2)
        outonoffjudge=int((coil/1024)%2)
        holdoutputjudge=int((coil/2048)%2)

        if inonoffjudge==0:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW1',4)
            time.sleep(0.15)
        if offsetjudge==1:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW1',8)
            time.sleep(0.15)

        if limitjudge==1:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW2',256)
            time.sleep(0.15)
        if decimationjudge==0:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW2',512)
            time.sleep(0.15)
        if outonoffjudge==1:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW2',1024)
            time.sleep(0.15)
        if holdoutputjudge==1:
            caput('K1:VIS-Yend_Fil_COIL'+i+'_SW2',2048)
            time.sleep(0.15)

        caput('K1:VIS-Yend_OPLEV1_COIL_MAT_'+i+'_1',1)

    caput('K1:VIS-Yend_OSC_TM_L2_FREQ',25)
    caput('K1:VIS-Yend_OSC_TM_Y2_FREQ',25)
    caput('K1:VIS-Yend_OSC_TM_P2_FREQ',25)
    caput('K1:VIS-Yend_OSC_TM_L2_CLKGAIN',0)
    caput('K1:VIS-Yend_OSC_TM_Y2_CLKGAIN',0)
    caput('K1:VIS-Yend_OSC_TM_P2_CLKGAIN',0)
```

-UU-:----F1 **VIS_Yend_coilcoef.py** Top L1 (Python) ----------

Wrote /opt/rtcds/kamioka/k1/medm/k1vis/VIS_Yend_coilcoef.py