

# MODULE COSMIC BENCH TEST

Date/ Time:  Operators:  Temp:  C°

Module side(A/B)  FAM  Bench (U/D)  USB board(37/36)

LIS R0:  L1:  Second Module in the bench  FAM

Unpack from  Store in  comments:

run ./start script and create related folder, access Db

Folder  DbLIS:  DbDAC:  status

**Vbias** *vbd/ download SiPM Vbd from DB, produce spiroc DAC file, load in spiroc run Vb scan and produce another spiroc DAC file, compare(optional)*

Db:  DACfromDB:   
 HV:  GainScan\*:  DACfronScan\*:   
 comments:  otherDAC\*:

**Connectivity** *test/ run modqacern with some default setting*

HV:  I<sub>kethley</sub>:  DAC:  Ped  LIS  Cosm

**Light tightness** *check SiPM currents with multimeter at ambient light, SPIROC on then monitor current with bright lamp illumination*

HV:  Ambient light  I[ $\mu$ A]:  Lamp  $\Delta I^{\max}$  [ $\mu$ A]:   
 by boards\*:   
 comments:

**LIS tune** *lis/ download lbias from Db and run LIS lmod tuning for different Tw(10ns)*

LIS <sub>R0</sub>	<input type="text"/>	LIS <sub>L1</sub>	<input type="text"/>	Tw:	<input type="text"/> ns
DB I <sub>bias</sub>	1: <input type="text"/> 2: <input type="text"/>	DB I <sub>bias</sub>	1: <input type="text"/> 2: <input type="text"/>	DAC:	<input type="text"/>
I <sub>mod</sub> <sup>10ns</sup>	1: <input type="text"/> 2: <input type="text"/>	I <sub>mod</sub> <sup>10ns</sup>	1: <input type="text"/> 2: <input type="text"/>	LIScfs:	<input type="text"/>
map	1: <input type="text"/> 2: <input type="text"/>	map	1: <input type="text"/> 2: <input type="text"/>	comments:	<input type="text"/>
p.e.	1: <input type="text"/> 2: <input type="text"/>	p.e.	1: <input type="text"/> 2: <input type="text"/>		

**Cosmics** *QA/ run modqacern module: pedestal(1000), LIS(8000), cosmics(4-8h) analyse and save results*

HV:  TrgRate:  Position:  DAC:  LIScfs:

Start:	End:	status:	LIS	Save	folder	name	cfgDAC	cfgLIS
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>				

comments:  Summary:

Analysis:  BadChan:  DB:  Status