

# Appendix

## Mimosa18 on 14 micron epi: very preliminary

# Mimosa18 on 20 micron epi: very preliminary

**MAPS Analysis Version 1.1**  
Upgrade of version 1.0 named "EUDET" - developed by M.Szelezniak & G.Deptuch - which supports also the new CDS data format of IPHC USB ADC Board.  
This application uses das\_read.dll V7.0, which IS NOT compatible with previous version of this application ( G.CLAUS 01/09/2006 )

DATA PROCESSING developed for testing MAPS (IPHC, M.Szelezniak, 2006) version EUDET based on :MIMOSA V ON-LINE DAQ and PROCESSING LEPSI (G.Deptuch 22/07/2004)

**DIMENSTIONS**  
columns: 256, rows: 255, columns\*rows: 65280  
first\_col: 0, first\_row: 1

**DO ACQUISITION**  
offset: 200  
FRAMES ACQUIS: 2000, FRAME TAKEN: 2000  
Auto\_display:   
DISPLAY CI:   
DISPLAY II:   
DISPLAY HIST:   
hit=clusterj 5\*5  
totalhits: 13994  
first cut passed: 37  
second cut passed: 37  
after overlap check: 7  
per frame

n milliseconds of delay for each event: 0  
analysis time[min]: 6.10  
hits\_buffer: 100

etat:  source code  
Close File in MAPS\_analysis\_v1.1.vi

Settings for WRITE/READ INIT After INIT INPUT\_DATA IMAGES HISTOS

**1P** Lin Log Courbe 0  
1P\_max: 400, 1P\_min: 0, 1PV\_max: 300

**9P** Courbe 0  
9P\_max: 400, 9P\_min: 0, 9PV\_max: 200

**4P** Courbe 0  
4P\_max: 400, 4P\_min: 0, 4PV\_max: 200

**25P** Courbe 0  
25P\_max: 400, 25P\_min: 0, 25PV\_max: 200

Show ranges:  All amplit. TOP: 400.00, BOTTOM: 10.00  
Allows observing only a part of the histogram (after a complete analysis another one can be performed observing only the specified signal amplitudes)

# Mimosa18 on 14 micron epi: very preliminary

**MAPS Analysis Version 1.1**  
Upgrade of version 1.0 named "EUDET" - developed by M.Szelezniak & G.Deptuch - which supports also the new CDS data format of IPHC USB ADC Board.  
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DATA PROCESSING developed for testing MAPS (IPHC, M.Szelezniak, 2006) version EUDET based on :MIMOSA V ON-LINE DAQ and PROCESSING LEPSI (G.Deptuch 22/07/2004)

**DIMENSTIONS**

|           |           |              |
|-----------|-----------|--------------|
| columns   | rows      | columns*rows |
| 256       | 255       | 65280        |
| first_col | first_row |              |
| 0         | 1         |              |

**DO ACQUISITION**

offset: 200  
FRAMES ACQUIS: 2000  
FRAME TAKEN: 2000  
Auto\_display:  **DISPLAY CI**  
**DISPLAY II**  
**DISPLAY HIST**

hit=clusterj 5\*5  
totalhits: 11714  
first cut passed: 22  
second cut passed: 22  
after overlap check: 5  
per frame

analysis time[min]: 5.44  
hits\_buffer: 100

Settings for WRITE/READ INIT After INIT INPUT\_DATA IMAGES HISTOS

**1P** Lin Log Courbe 0  
IP\_max: 400  
IP\_min: 0  
IPY\_max: 300

**9P** Courbe 0  
9P\_max: 400  
9P\_min: 0  
9PY\_max: 200

**4P** Courbe 0  
4P\_max: 400  
4P\_min: 0  
4PY\_max: 200

**25P** Courbe 0  
25P\_max: 400  
25P\_min: 0  
25PY\_max: 200

Show ranges:  All amplit. TOP: 400.00 BOTTOM: 10.00  
Allows observing only a part of the histogram (after a complete analysis another one can be performed observing only the specified signal amplitudes)

# Mimosa18: 20 micron versus 14 microns

