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# SDD: status of the calibration framework

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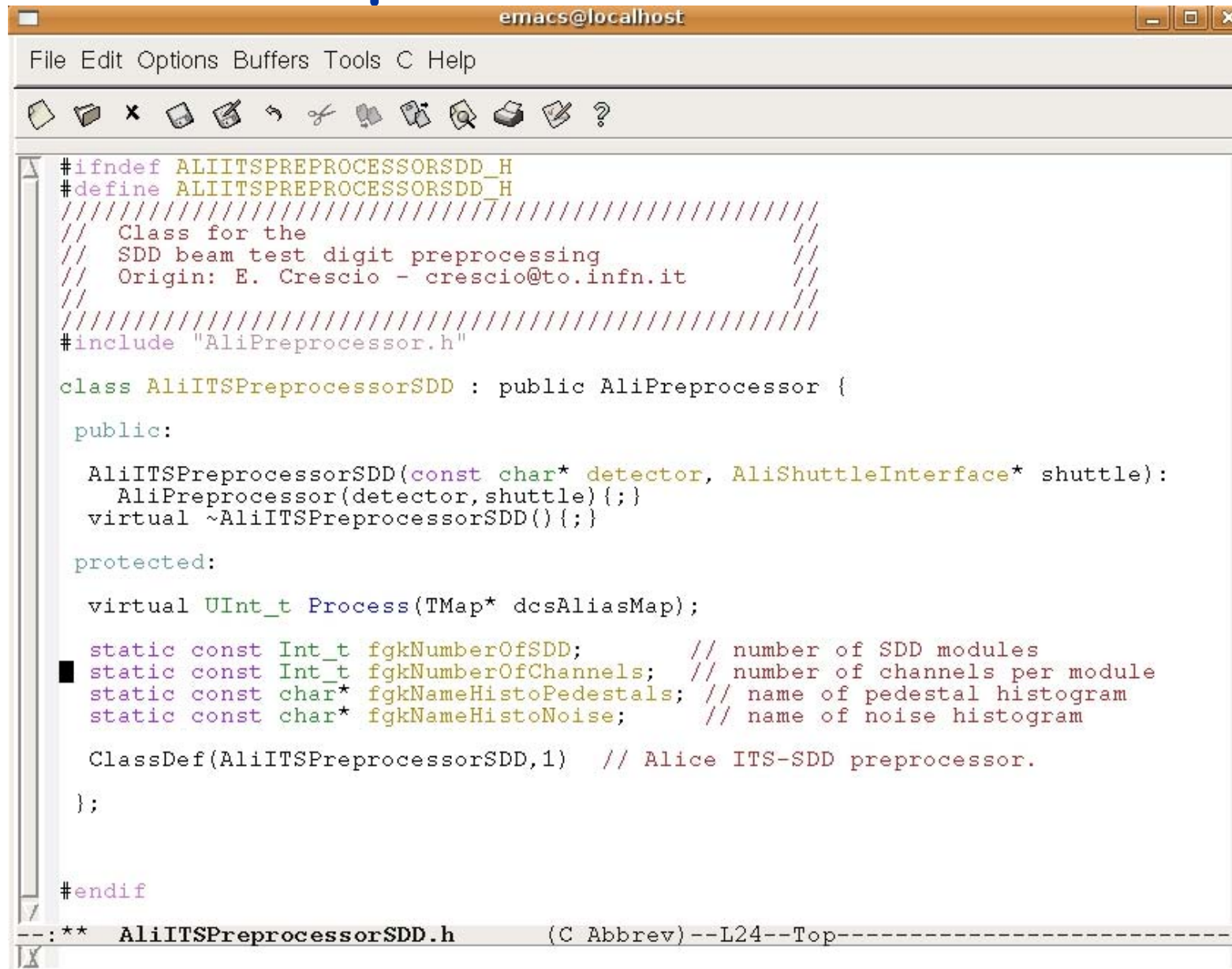
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# SDD Preprocessor (1)

- First prototype of "SHUTTLE" preprocessor for SDD (`AliITSPreprocessorSDD`) ready
    - The method "Process" reads the calibration data files through SHUTTLE and store them in the OCDB in the proper format (`AliITSCalibrationSDD` classes)
  - Tested with "dummy" calibration files using `AliTestShuttle`
    - Access to the data: OK
    - Storing to CDB: OK
  - Committed (HEAD)
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# SDD Preprocessor (2)



```
emacs@localhost
File Edit Options Buffers Tools C Help
[Icons]
#ifdef ALIITSPREPROCESSORSDD_H
#define ALIITSPREPROCESSORSDD_H
////////////////////////////////////
// Class for the
// SDD beam test digit preprocessing
// Origin: E. Crescio - crescio@to.infn.it
//
////////////////////////////////////
#include "AliPreprocessor.h"

class AliITSPreprocessorSDD : public AliPreprocessor {

public:

    AliITSPreprocessorSDD(const char* detector, AliShuttleInterface* shuttle):
        AliPreprocessor(detector, shuttle) {}
    virtual ~AliITSPreprocessorSDD() {}

protected:

    virtual UInt_t Process(TMap* dcsAliasMap);

    static const Int_t fgkNumberOfSDD; // number of SDD modules
    static const Int_t fgkNumberOfChannels; // number of channels per module
    static const char* fgkNameHistoPedestals; // name of pedestal histogram
    static const char* fgkNameHistoNoise; // name of noise histogram

    ClassDef(AliITSPreprocessorSDD,1) // Alice ITS-SDD preprocessor.

};

#endif

--:** AliITSPreprocessorSDD.h (C Abbrev)--L24--Top-----
```

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# Online calibration

- All the preprocessing algorithms will run on the online machines
  - The SHUTTLE preprocessor will simply store the data in the proper format in the OCDB
  - Online preprocessing algorithms implemented for laser test of the SDD modules exist (pedestals, noise, gain, bad channels..)
    - They have to be adapted to the DAQ framework and packages available
    - Take into account different rawdata format
  - Still under development: preprocessing algorithm for injector's data
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