| TA2System     | 1            | TA2DataManager |                 |  |  |  |
|---------------|--------------|----------------|-----------------|--|--|--|
| fCmdList[5]   | fRandom      | fADC           | fTreeFileName   |  |  |  |
| fInputFile    | fRandSeed    | fADCdefined    | flsRawDecode    |  |  |  |
| fLogFile      | fParent      | fMulti         | flsDecode       |  |  |  |
| fLogStream    | fChildren    | fScaler        | flsReconstruct  |  |  |  |
| fIsInit       | fVariables   | fScalerBuff    | flsRawDecodeO   |  |  |  |
| flsError      | fTreeFile    | fScalerSum     | flsDecodeOK     |  |  |  |
| flsConfigPass | fTree        | fEvent         | flsReconstructC |  |  |  |
| fglsA         | fBranch      | fMaxADC        | flsCut          |  |  |  |
|               | fNbranch     | fMaxScaler     | flsBitPattern   |  |  |  |
| @~TA2System   | fDataCuts    | fScalerIndex   | flsRateMonitor  |  |  |  |
|               | fHistCuts    | fScalerCurr    | flsEndOfFile    |  |  |  |
| Baselnit      | fMiscCuts    | fScalerAcc     | flsFinish       |  |  |  |
| PrintError    | fCompoundCut | fNPeriod       | flsSaveEvent    |  |  |  |
| PrintMessage  | fDataMonitor | fMay Paried    | MaliaChila      |  |  |  |

**fRateMonitor** 

Map2Key

Map2Key

Map2String

**GetMapKey** GetMapString

AddCmdList

CommandConfig

**FileConfig** 

**ParseMisc** 

SetConfig

BuildName CheckName

GetInputFile

GetLogFile

SetLogFile

Class\_Name

ShowMembers

Islnit

IsError

Class

IsA

GetLogStream SetLogStream

Postlnit

| fBitPattern                               | fPeriodCmd     | fglsA           |  |  |  |  |
|---|----------------|-----------------|--|--|--|--|
| fPatternHits                              | fEndOfFileCmd  |                 |  |  |  |  |
| fNPatternHits                             | fFinishCmd     |                 |  |  |  |  |
| @~TA2DataManatyeitSaveTree GetRateMonitor |                |                 |  |  |  |  |
| PostInit                                  | InitSaveTree   | GetBitPattern   |  |  |  |  |
| GetN2V                                    | SaveEvent      | GetPatternHits  |  |  |  |  |
|   | SaveEvent      | GetNPatternHits |  |  |  |  |
| GetVarType                                |                |                 |  |  |  |  |
| Isint                                     | CloseEvent     | GetTreeFile     |  |  |  |  |
| CreateChild                               | GetChildType   | GetTree         |  |  |  |  |
| LoadVariable                              | GetChild       | GetNPeriod      |  |  |  |  |
| ParseCut                                  | GetGrandChild  | GetMaxPeriod    |  |  |  |  |
| ResetCut                                  | GetParent      | GetPeriodCmd    |  |  |  |  |
| PostInitialise                            | GetChildren    | GetEndOfFileCn  |  |  |  |  |
| AddChild                                  | GetDataCuts    | GetFinishCmd    |  |  |  |  |
| AddChild                                  | GetHistCuts    | IsRawDecode     |  |  |  |  |
| Decode                                    | GetMiscCuts    | IsDecode        |  |  |  |  |
| DecodeSaved                               | GetADC         | IsReconstruct   |  |  |  |  |
| Reconstruct                               | GetADCdefined  | IsRawDecodeOl   |  |  |  |  |
| Cleanup                                   | GetScaler      | IsDecodeOK      |  |  |  |  |
| UpdatePeriod                              | GetScalerSum   | IsReconstructO  |  |  |  |  |
| Periodic                                  | GetEvent       | IsBitPattern    |  |  |  |  |
| ParsePeriod                               | GetEvent       | IsRateMonitor   |  |  |  |  |
| ParseEndOfFile                            | GetMaxADC      | IsEndOfFile     |  |  |  |  |
| ParseFinish                               | GetMaxScaler   | IsFinish        |  |  |  |  |
| SetEndOfFile                              | GetScalerIndex | IsSaveEvent     |  |  |  |  |
| SetFinish                                 | GetScalerCurr  | Class           |  |  |  |  |
| EndFile                                   | GetScalerAcc   |                 |  |  |  |  |
| Finish                                    | GetScalerError | _               |  |  |  |  |
| MacroExe                                  | GetMulti       | ShowMembers     |  |  |  |  |
| SetSaveEvent                              | GetMulti       |                 |  |  |  |  |
| 22.00.02.011                              |                |                 |  |  |  |  |

**fMaxPeriod** 

kValidChild

| TA2HistManager          |    | TA2Detector   |                    |               |  |  |
|-------------------------|----|---------------|--------------------|---------------|--|--|
| fHistList               |    | fElement      | fHitsM             | fNelement     |  |  |
| f1Dhist                 |    | fEnergy       | fRawTimeHits       | fNelem        |  |  |
| f2Dhist                 |    | fEnergyOR     | fRawEnergyHits     | fMaxHits      |  |  |
| f3Dhist                 |    | fTime         | fDetectorComm      | flsECalib     |  |  |
| fN1Dhist                |    | fTimeM        | fDetectorHist      | flsScaler     |  |  |
| fN2Dhist                |    | fTimeOR       | fTotalEnergy       | flsEnergy     |  |  |
| fN3Dhist                |    | fTimeORM      | fEnergyScale       | flsTime       |  |  |
| flsDisplay              |    | fPosition     | fTimeOffset        | flsPos        |  |  |
| fglsA                   |    | fMeanPos      | fNhits             | flsRawHits    |  |  |
|                         |    | fShiftOp      | fNhitsM            | fglsA         |  |  |
| @~TA2HistMana           |    | fShiftValue   | fNADChits          |               |  |  |
| @~TAZHIStWana<br>Decode | er | fNShiftOp     | fNTDChits          |               |  |  |
| DecodeSaved             |    | fHits         | fNMultihit         |               |  |  |
| Reconstruct             |    | @~TA2Detector | GetEnergyOR        | GetTimeOffset |  |  |
| SetConfig               |    | DecodeBasic   | GetEnergy          | GetNhits      |  |  |
| ParseDisplay            |    | SetConfig     | GetTime            | GetNhitsM     |  |  |
| ReadChanLim             |    | PostInit      | GetTimeM           | GetNADChits   |  |  |
| FillHist                |    | Decode        | GetTimeOR          | GetNTDChits   |  |  |
| FillAllHist             |    | DecodeSaved   | GetTimeORM         | GetNMultihit  |  |  |
| Hist                    |    | Reconstruct   | GetTime            | GetNelement   |  |  |
| ZeroHist                |    | Cleanup       | GetPosition        | GetNelem      |  |  |
| ZeroAll                 |    | SaveDecoded   | GetPosition        | GetMaxHits    |  |  |
| SaveHist                |    | ReadDecoded   | GetMeanPos         | IsEcalib      |  |  |
| ListHist                |    | SetupArrays   | GetShiftOp         | IsScaler      |  |  |
| H2D                     |    | DeleteArrays  | GetShiftValue      | IsEnergy      |  |  |
| IsDisplay               |    | CreateChild   | GetNShiftOp        | IsTime        |  |  |
| GetN1Dhist              |    | LoadVariable  | GetHits            | IsPos         |  |  |
| GetN2Dhist              |    | ParseShift    | GetHits            | IsRawHits     |  |  |
| GetN3Dhist              |    | ApplyShift    | GetHitsM           | Class         |  |  |
| Get1Dhist               |    | ParseMultihit | GetRawTimeHits     |               |  |  |
| Get2Dhist               |    | GetElement    | GetRawEnergyHittsA |               |  |  |
| Get3Dhist               |    | GetElement    | GetTotalEnergy     |               |  |  |
| Class                   |    | GetEnergy     | GetEnergyScale     |               |  |  |
| Class_Name              |    |               | -                  |               |  |  |

ShowMembers

IsA