And Computer Note 57  This is JADERR.TEXT(NOTES7)  Steffen, 82/06/29  How to Use the Improved JET Chamber Calibration  """"  """ INCLUDE: KALIBRSC, KLERDSC (routines are on PILHO.JADEGS)  In set file  """ PILTOON DESPENSE, DENE-TIPET. UCALRS292  Comments: And have been deventment to try the improved alloration constants which have been deventment to the piling 1920001700 at a string from mn 1038; ""Hiberian constants one obtains that the ""." Japended alloration constants on the used for a constant one obtains of the set of the constants one be tried also for the 1881 data. But the insertion constants can be tried also for the 1881 data. But the insertion constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum the resolution of 17.5 GeV on pilingthic constants for momentum for the following signal (p) / p = 25 % and calibration constants: vertex constraint signal (p) / p = 25 %	Aug 7 1997 12:19:25 note57.text.txt Page 1
How to Use the Improved UBT Chamber Calibration  "INCLUDE: KALIBESC, KAREADSC (routines are on FILHO.JADEGS)  "PATAZORI DE DISP-SHR.DSN-FILEST.JCALE292  "Normants: in the Patage of Communication of Communication of Communication Communication of Communication Constants which have been determined for the spring 189200001700 at the seriant from run 10059. The Beam vertex position for this period constant. With the Amproved Calibration Constants one obtains one obtains of Communication Constants one obtains one obtains of Communication Constants one obtains one obtains one obtains one obtains one obtains of Communication Constants on Priod table fit the 1891 data. But the new calibration Constants of Communication of 17.5 device the constants for momentum the resolution of 17.5 device Constants of Communication Constants of Communication Constants of Constants of Signa(p) / p = 53 % signa(p) / p = 55 % signa(p) / p = 55 % signa(p) / p = 25 % signa(p) / p	Computer Note 57 This is teffen, 82/06/29
use file  FY22FOID DISPESSIR.DSN=FILEST.JCAL8292  1) Comments:  FY22FOID DISPESSIR.DSN=FILEST.JCAL8292  1) Comments:  1) Comments:  1) Comments:  1) Comments:  2) Comments:  3) Comments:  3) Comments:  4) Comments:  4) Comments:  2) Comments:  3) Comments:  3) Comments:  4) Comments:  4) Comments:  4) Comments:  5) Comments:  6) Comments:  6) Comments:  6) Comments:  7) Comments:  8) Comment	w to Use the Improved JET Chamber Calibr
inairy version for those who want to try the stants, which have been determined for the spirom run 1026 are beam vertex position for this the improved calibration constants one obtain v = -1.25, v = -0.20.  Y = constraint track fit.  Ion constants can be tried also for the 1981 of the there will be an improvement. Still obtained the following results with these stants for momentum the resolution of laconstants for momentum the resolution of laconstants vertex constraint sigma(p) / p = constants, vertex constraint sigma(p) / p = constants, vertex constraint sigma(p) / p = constants, vertex constraint sigma(p) / p = constants.	KALIBRSC, KLREADSC (routines are on DD DISP=SHR, DSN=F11PST.JCAL8292
calibration constants calibration constants, vertex constraint sigma(p) / p = 35 calibration constants, vertex constraint sigma(p) / p = 41 calibration constants, vertex constraint sigma(p) / p = 25	his is a preliminarry version for those who want to try the improved calibration constants, which have been determined for the spring 198200001700 late, starting from trun 10269. The beam vertex position for this period is constant. With the improved calibration constants one obtains $xy = -1.25$ , $xy = -1.25$ , $xy = -0.20$ . This vertex can be used for a constraint track fit.  This vertex can be used for a constraint track fit. But the new calibration constants can be tried also for the 1981 data. But it is not guarantied that there will be an improvement. Still the beam vertices have to be determined.  Up to now I obtained the following results with these improved calibration constants for momentum the resolution of 17.5 GeV muon-pairs:  sigma(p) / p = 53 %
	calibration constants constraint sigma(p) / p = 35 calibration constants, vertex constraint sigma(p) / p = 41 calibration constants, vertex constraint sigma(p) / p = 45 calibration constants, vertex constants, ver



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This is JADEPR. TEXT (NOTE57)

JADE Computer Note 57

P. Steffen, 82/06/29

How to Use the Improved JET Chamber Calibration

- 1.) INCLUDE: KALIBRSC, KLREADSC (routines are on F11LHO.JADEGS)
- 2.) use file PT32F001 DD DISP=SHR, DSR=F11PST.JCAL8292

## 3.) Comments:

This is a preliminalry version for those who want to try the improved calibration constants, which have been determined for the spring 1982 data, starting from run 10269. The beam vertex position for this period is constant. With the improved calibration constants one obtains

$$xv = -1.25$$
,  $yv = -0.20$ .

This vertex can be used for a constraint track fit.

The new calibration constants can be tried also for the 1981 data. But it is not guarantied that there will be an improvement. Still the beam vertices have to be determined.

Up to now I obtained the following results with these improved calibration constants for momentum the resolution of 17.5 GeV muon-pairs:

old calibration constants sigma(p) / p = 53 %new calibration constants sigma(p) / p = 35 %old calibration constants, vertex constraint sigma(p) / p = 41 %new calibration constants, vertex constraint sigma(p) / p = 25 %

