

Endcap

Signal Feedthrough Production at Victoria

Status Summary



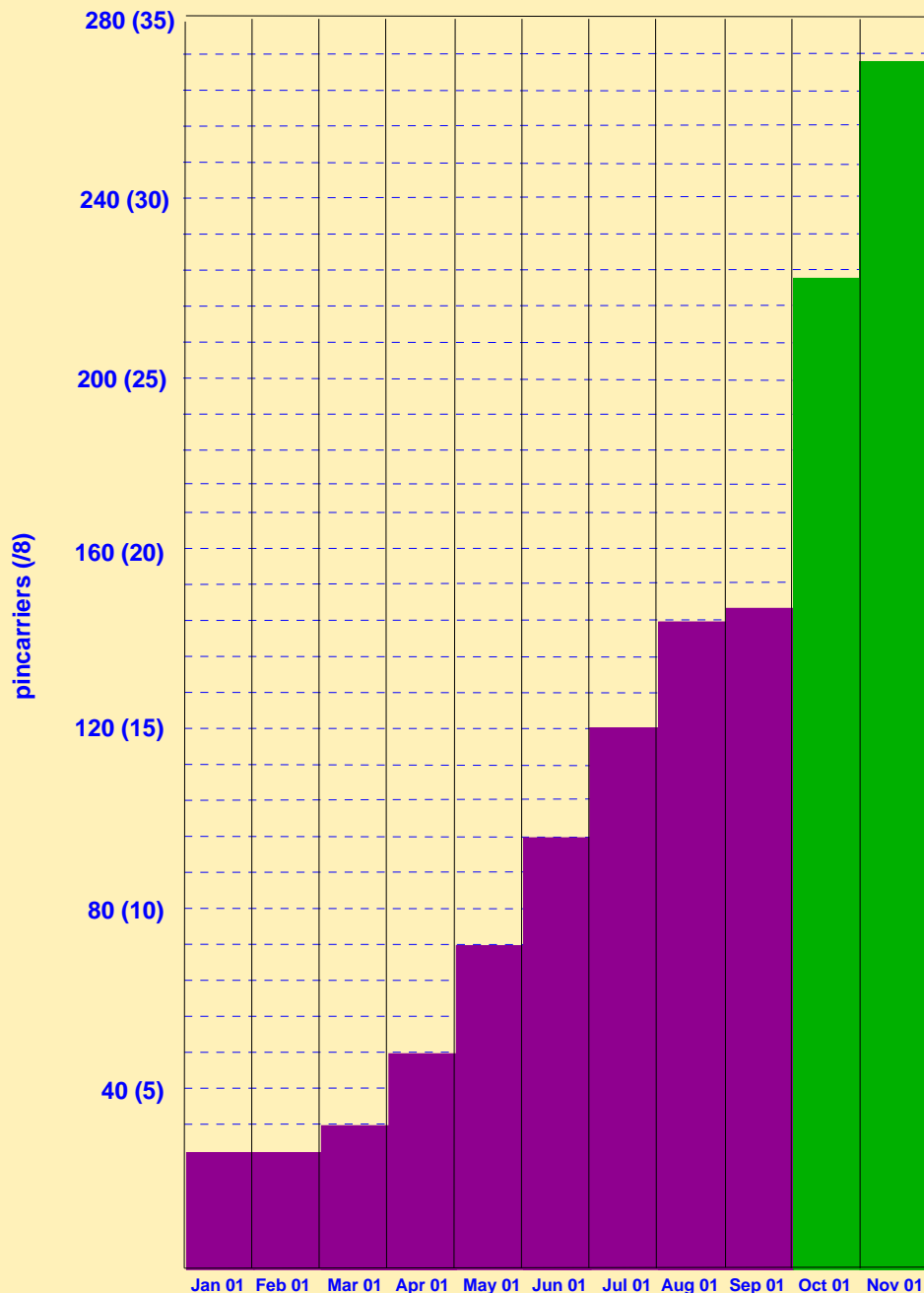
LARG week
December 2001

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University of Victoria

Component Status and Overview

- All parts are in stock except some Pigtail cables and Pincarriers.
 - Pigtail cables: 1273/1725 arrived to date.
 - Pincarriers: 270/550 arrived to date (440 required); 123 delivered since October LARG week – *pincarriers now being delivered at acceptable rate.*
- Total of 22 feedthroughs completed; 17 are at CERN, and four more are in transit.
 - One feedthrough (Standard ft20) shows a $5 \times 10^{-10} \text{ mbar} \cdot \text{l/s}$ leak at the cold flange (presumably a pincarrier) under cold conditions.
 - *propose to use as one of three spare Standard ft's*
- Electrical (cross talk tests) and Vacuum reception test apparatus are assembled and in use in B180; 11 feedthroughs fully tested.

Integrated Victoria PincARRIER Receptions



Four feedthroughs have suffered minor damage
to pigtail cables during testing procedures
in Victoria

- Three cables with torn kapton insulation
- One cable with torn kapton insulation and a damaged wire braid
- Pierre Imbert and Patrick Cornebise have kindly agreed to repair the damaged pigtail cables at CERN.
- Corrective action has been taken to further protect the pigtail cables during testing in Victoria.
- A pigtail cable on a barrel feedthrough has been similarly damaged during installation.
- *Pigtails are delicate and cannot be replaced in a finished feedthrough!*

Projected Production Rate

Date	Build (total)	Type	At CERN
30-nov-2001	(13 STD, 4 SPCL, 4 HEC and 1 FCAL built to date)		
31-dec-2001	2 (24)	(2 STD)	21
31-jan-2002	4 (28)	(4 STD)	21
28-feb-2002	3 (31)	(1 HEC, 1 SPCL, 1 STD)	30 (ECC+)
31-mar-2002	3 (34)	(2 STD, 1 FCAL)	30
30-apr-2002	3 (37)	(2 HEC, 1 SPCL)	33
31-may-2002	3 (40)	(1 HEC, 2 SPCL)	35
30-jun-2002	4 (44)	(4 STD)	38
31-jul-2002	3 (47)	(3 STD)	42
31-aug-2002	2 (49)	(2 STD)	46
30-sep-2002	4 (53)	(4 STD)	46
15-oct-2002	2 (55)	(1 HEC, 1 SPCL)	50 (ECA)
15-nov-2002			55



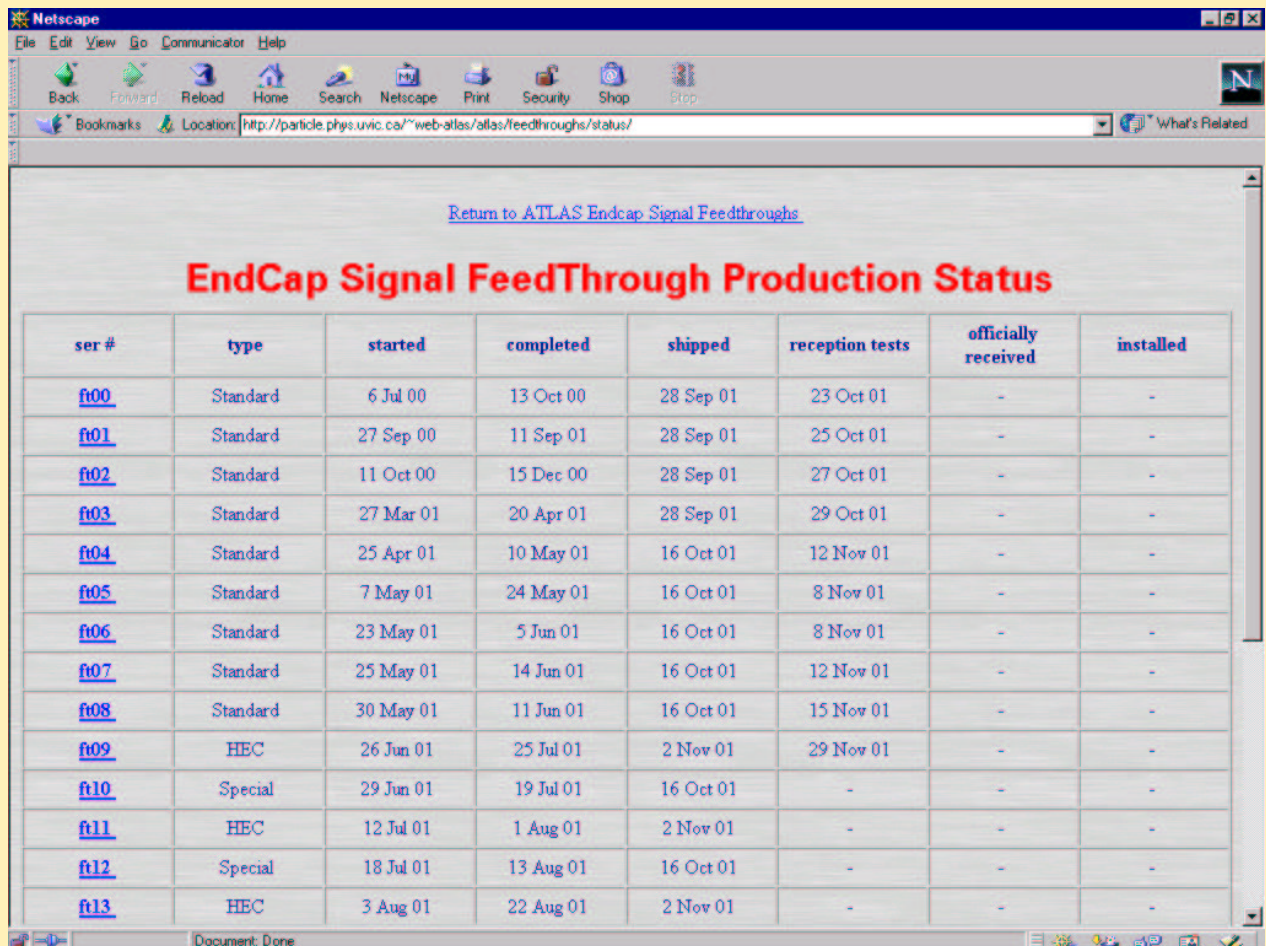
EndCap Signal Feedthrough Production Status Available on Web

<http://particle.phys.uvic.ca/~web-atlas/>

⇒ ATLAS Group at Victoria

⇒ Endcap Signal Feedthroughs

⇒ Production Status

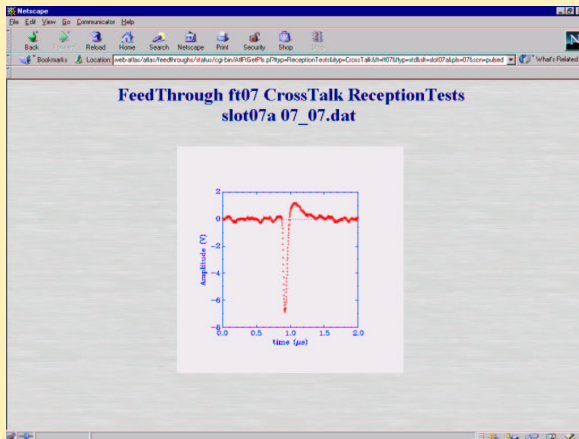


The screenshot shows a Netscape browser window with the address bar containing the URL <http://particle.phys.uvic.ca/~web-atlas/atlas/feedthroughs/status/>. The page content includes a link to "Return to ATLAS Endcap Signal Feedthroughs" and a table titled "EndCap Signal FeedThrough Production Status".

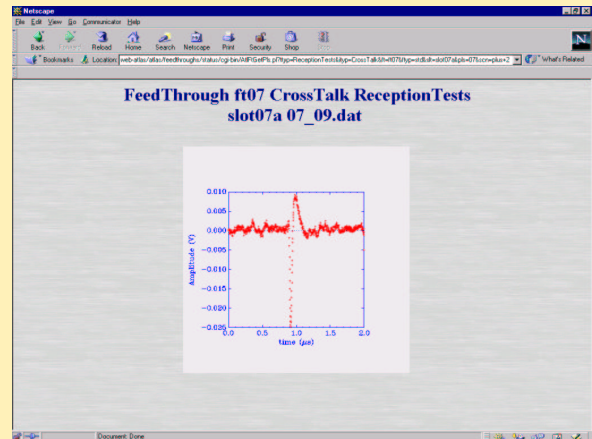
ser #	type	started	completed	shipped	reception tests	officially received	installed
ft00	Standard	6 Jul 00	13 Oct 00	28 Sep 01	23 Oct 01	-	-
ft01	Standard	27 Sep 00	11 Sep 01	28 Sep 01	25 Oct 01	-	-
ft02	Standard	11 Oct 00	15 Dec 00	28 Sep 01	27 Oct 01	-	-
ft03	Standard	27 Mar 01	20 Apr 01	28 Sep 01	29 Oct 01	-	-
ft04	Standard	25 Apr 01	10 May 01	16 Oct 01	12 Nov 01	-	-
ft05	Standard	7 May 01	24 May 01	16 Oct 01	8 Nov 01	-	-
ft06	Standard	23 May 01	5 Jun 01	16 Oct 01	8 Nov 01	-	-
ft07	Standard	25 May 01	14 Jun 01	16 Oct 01	12 Nov 01	-	-
ft08	Standard	30 May 01	11 Jun 01	16 Oct 01	15 Nov 01	-	-
ft09	HEC	26 Jun 01	25 Jul 01	2 Nov 01	29 Nov 01	-	-
ft10	Special	29 Jun 01	19 Jul 01	16 Oct 01	-	-	-
ft11	HEC	12 Jul 01	1 Aug 01	2 Nov 01	-	-	-
ft12	Special	18 Jul 01	13 Aug 01	16 Oct 01	-	-	-
ft13	HEC	3 Aug 01	22 Aug 01	2 Nov 01	-	-	-

Cross Talk and Resistance

Raw Data Viewable on Web



scan pulsed channel



scan neighboring channel

resistance data

