

# Endcap Feedthrough Production at Victoria

*Status Summary*



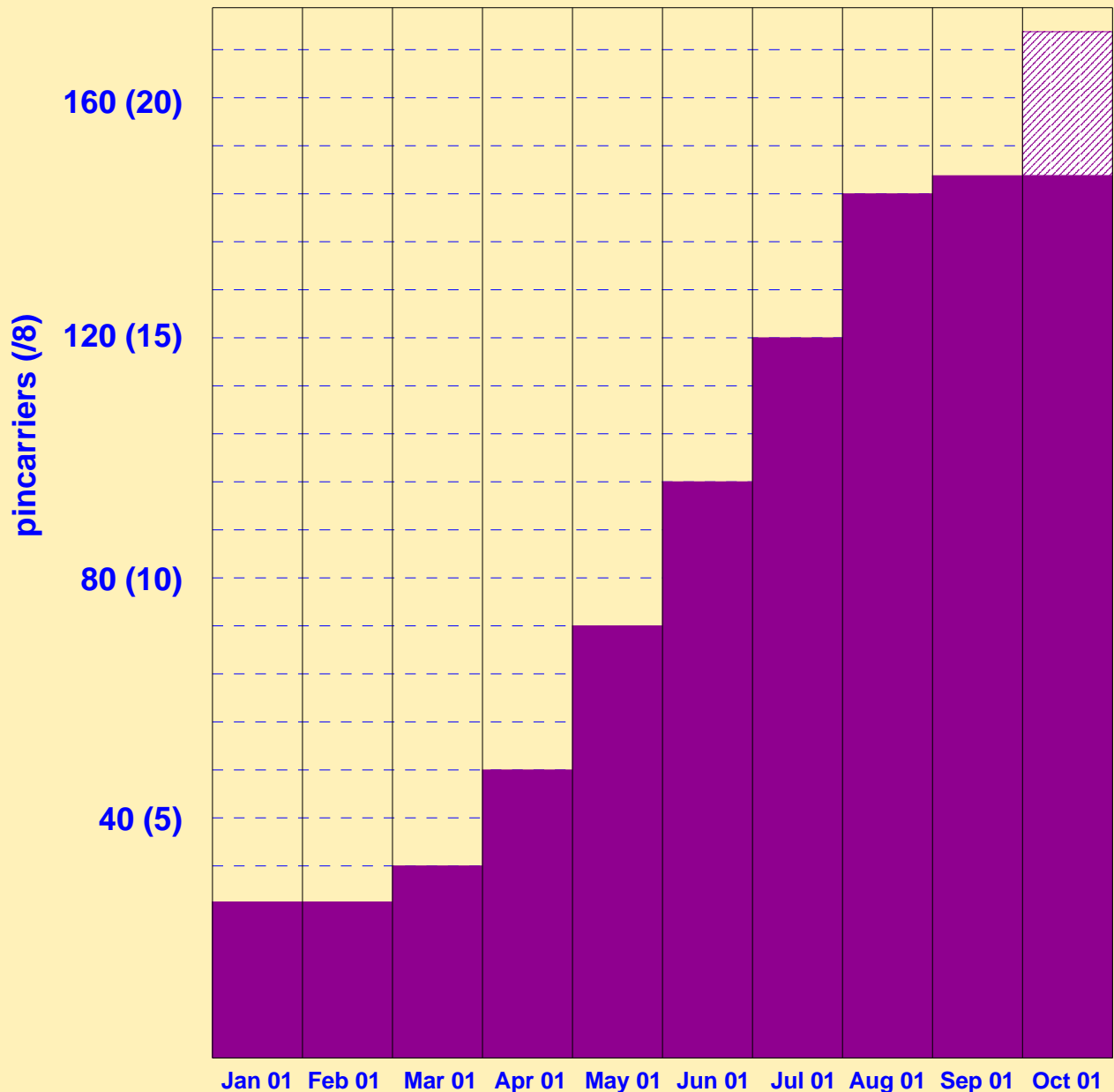
LARG week  
October 2001

Paul Poffenberger  
University of Victoria

# Component Status and Overview

- All parts in stock except Pigtail cables and Pincarriers
  - Pigtail cables: 1143/1725 arrived to date, 104 more expected soon
  - Pincarriers: 147 arrived to date (440 + spares required for project); *pincarrier deliveries still not keeping pace with feedthrough production capability*
- Total of 16 feedthroughs completed, four shipped to CERN
- Electrical and Vacuum reception test equipment shipped to CERN
- Minimum of two people from Victoria will be present at CERN through mid-December for reception tests

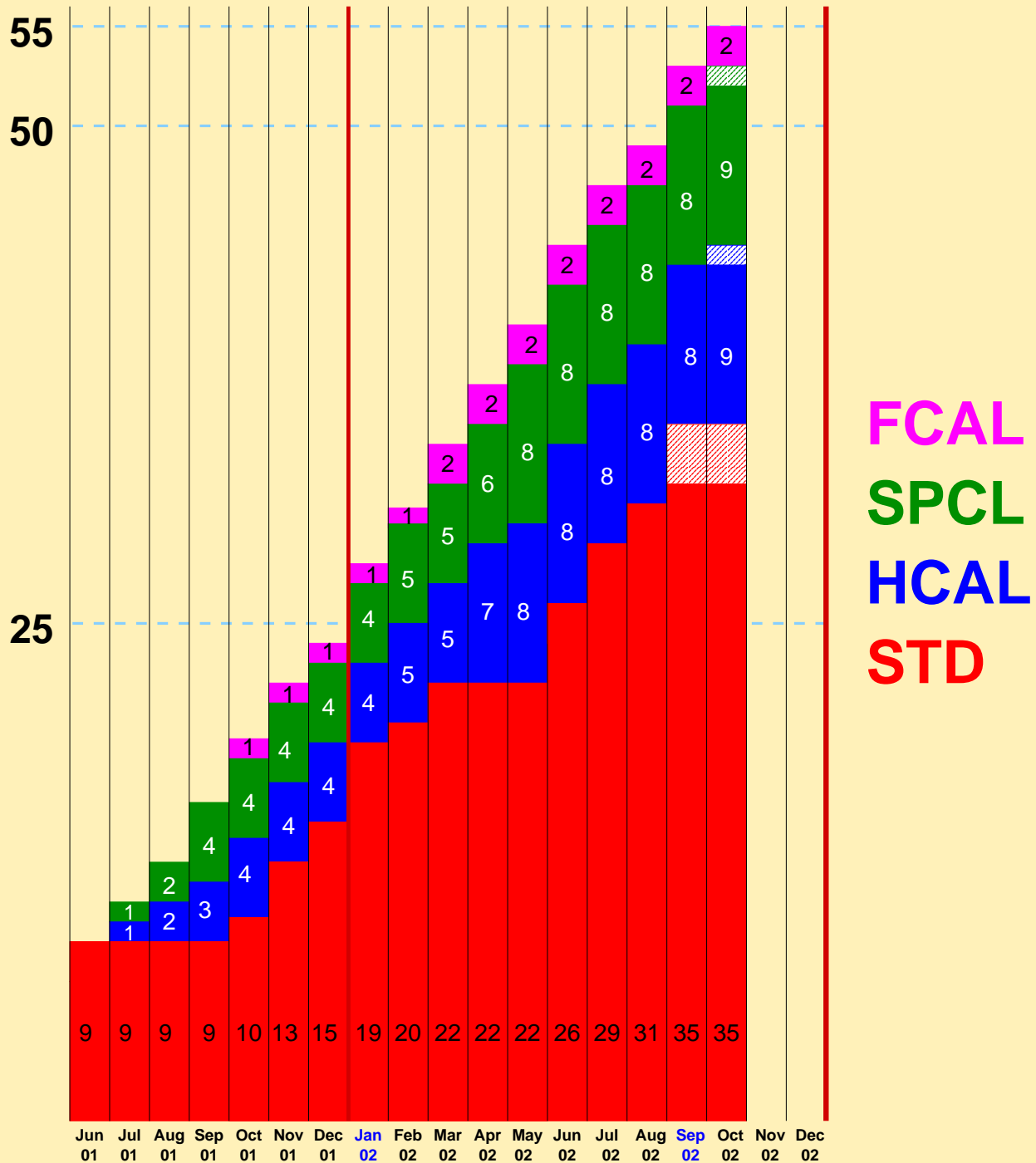
# Integrated Victoria PincARRIER Receptions



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# Projected Integrated Production Rate



LARG week  
October 2001

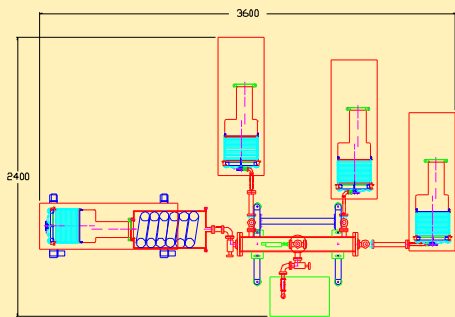
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# Projected Production Rate

Date	Build (total)	Type	At CERN
30-sep-2001	3 (16)	(9 STD, 4 HEC, 3 SPCL built to date)	
31-oct-2001	3 (19)	(1 FCAL, 1 SPCL, 1 STD)	4
30-nov-2001	3 (22)	(3 STD)	16
31-dec-2001	2 (24)	(2 STD)	19
31-jan-2002	4 (28)	(4 STD)	23
<b>28-feb-2002</b>	3 (31)	(1 HEC, 1 SPCL, 1 STD)	27 <b>(ECC)</b>
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
<b>15-oct-2002</b>	2 (55)	(1 HEC, 1 SPCL)	50 <b>(ECA)</b>
15-nov-2002			55



## Reception Tests

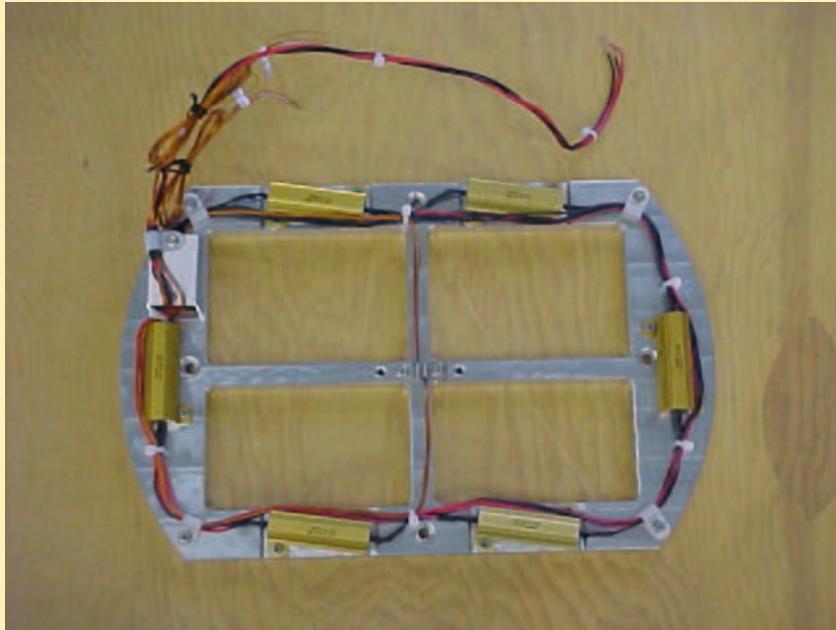


vacuum manifold

- Leak check both bellows and funnel volumes
- Vacuum manifold to be shared with BNL
- CERN has provided:
  - 500 l/s turbo pump
  - Alcatel helium leak checker

- Electrical Tests:
  - Cross talk
  - Precision resistance

# Endcap Feedthrough Ambient Flange Heaters



- $12.5 \Omega$  equivalent
- Two 4-wire RTD's

