

klystron partitioning Linac4

cavity type	number	LEP klystron	352 MHz high-power klystron	Timestamp
RFQ	1	1	-	13 August 2007
DTL	1	1	-	13 August 2007
DTL	2,3	-	2	13 August 2007
CCDTL	1-7	7	-	13 August 2007
PIMS	1-4	4	-	13 August 2007
PIMS	5-12	-	4	13 August 2007
<i>total</i>		13	6	

power requirements at the cavity level

cavity	peak power [kW]	Comment	Timestamp
RFQ	537	Superfish + 20% + beam	26 May 2009
DTL1	1000	ZTT*0.8 + beam	26 May 2009
DTL2	2000	ZTT*0.8 + beam	26 May 2009
DTL3	2000	ZTT*0.8 + beam	26 May 2009
CCDTL1	960	Superfish (incl. stems) + 20% + beam	26 May 2009
CCDTL2-7	1000	Superfish (incl. stems) + 20% + beam	26 May 2009
PIMS1-12	1000	Superfish ZTT - 30% (22/26% for Linac4/SPL), incl. everything	26 May 2009

Ion species	H-	10 August 2007
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waveguides & auxiliary equipment

- CPI coaxial window for 352 and 704 MHz operation: [link](#)
- AFT RF load for half-height wave-guides, 352 MHz: [link](#) (restricted access)

SPL klystrons (under construction)

- Thales TH2168, 5 MW, 450 kW CW, 805 MHz (restricted access)

-- FrankGerigk - 18 Jun 2007

This topic: SPL > RFpowerPages

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