

Symposium upon Machines for High Energy Physics in the United KingdomThe New Lecture Theatre, A.E.R.E., Harwell.P R O G R A M M EFriday, 13th May 1955

<u>Time</u>		<u>Speaker</u>
10.30 a.m.	Coffee	
11.00 a.m.	Opening by Sir John Cockcroft	
11.10 a.m.	Background of physics against which a machine programme has to be considered	
	11.10 - 11.30 a.m.	Prof. Peierls
	11.30 - 11.40 a.m.	Discussion
	11.40 - 12.00 noon	Prof. Moon
	12.00 - 12.10 p.m.	Discussion
12.10 p.m.	Present status of accelerator development in the U.S.:-	
	(i) Proton Synchrotrons 12.10 - 12.30	Dr Pickavance
	(ii) Electron Synchrotrons 12.30 - 12.50	Prof. Ramsey
1.00 p.m.	LUNCH	
2.15 p.m.	Present state of the CERN proton synchrotron	Mr J. B. Adams
3.00 p.m.	Present state of knowledge upon circular machines using:-	
	(a) Constant gradient focusing	
	(b) Alternating gradient focusing	
	3.00 - 3.30 p.m.	Mr Walkinshaw
	3.30 - 3.40 p.m.	Discussion
3.40 p.m.	TEA	
3.55 p.m.	(c) Fixed field alternating gradient focusing	
	3.55 - 4.25 p.m.	Mr Mullett
	4.25 - 4.35 p.m.	Discussion
4.35 p.m.	An outline of design studies for a U.K. machine programme	
	(a) A proton synchrotron 4.35 - 5.00 p.m.	Dr Pickavance
	5.00 - 5.10 p.m.	Discussion
	(b) An electron synchrotron 5.10 - 5.30 p.m.	Mr J. D. Lawson
	5.30 - 5.45 p.m.	Discussion
5.45 p.m. to 6.15 p.m.	Visit to Proton Linear Accelerator Building Site on Airfield.	

/Saturday,

Saturday, 14th May.

<u>Time</u>		<u>Speaker</u>
9.30 a.m.	Discussion opened by the Director.	
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10.30 a.m.	COFFEE	
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10.45 a.m.	Discussion continued	
11.30 a.m.	Summing up	Sir John Cockcroft
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12.00 noon	LUNCH (if required)	
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H.S. 8115X.

FOR OFFICIAL USE ONLY

HIGH ENERGY ACCELERATOR SYMPOSIUM

External Visitors

Hosts

Lord Cherwell	-
Professor Mott . . . . .	Dr Cottrell
Professor Devons . . . . .	Dr W. D. Allen
Professor Massey (Saturday only)	-
Professor Moon . . . . .	Mr D. W. Fry
Professor Burcham . . . . .	Dr Pickavance
Sir George Thomson (Friday only)	-
Professor Peierls . . . . .	Dr Flowers
Professor Blackett . . . . .	Director
Professor Skinner . . . . .	Dr Whitehouse
Professor Frisch . . . . .	(Own accommodation)
Dr Bunemann . . . . .	(Own accommodation)
Dr Cassels	<b>Dr. Stafford</b>
Professor Ramsey	-
Professor Oliphant . . . . .	Director
Dr K. J. Le Couteur . . . . .	Mr Walkinshaw
Dr D. H. Wilkinson . . . . .	Dr Flowers
Dr Salem . . . . .	Mr B. Rose
Dr J. Hamilton . . . . .	Dr Skyrme
Dr Butler . . . . .	Dr Schonland
Dr Collie	
Dr Rcaf	
Dr Wilson	
Dr Mandle	
Dr Symonds	
Dr A. Roberts	
Dr Riddiford	
Sir Francis Simon	

Internal Representatives

Director  
Dr Schonland  
Mr D. W. Fry  
Dr Bretscher  
Dr Flowers  
Dr Pickavance  
Mr Walkinshaw  
Mr Snowden  
Mr Mullett  
Mr Wilkins  
Mr B. Rose  
Mr Whitehouse  
Dr Skyrme  
Mr Dickson  
Dr Stafford  
Dr Allen  
Mr J. D. Lawson

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Mr Kandiah  
Mr Dunn  
Mr Loach