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VARIABLE STAR IN EE CEPHEI COMPARISON SEQUENCE

The star BD +55<sup>o</sup>2691 is included (as star c) in the comparison sequence of the system EE Cephei (Romano, G., 1956, Coelum 24, 135; Meinunger, L., 1976, M.V.S., 7, 97). During the observations of this system small light variations of the c star were obtained. Using the photodensitometric reductions of the plates taken during the 1969 EE Cep minimum (Baldinelli, L., Ghedini, S., Tubertini, C., 1975, I.B.V.S.No.1009) we have found for the c star the value listed below:

J.D.	m <sub>ph</sub>	J.D.	m <sub>ph</sub>
2440...		2440...	
395.420	11.44	437.369	11.68
397.442	.39	438.405	.45
398.463	.48	439.395	.50
399.397	.30	440.375	.64
400.456	.84	447.412	.52
407.398	.43	454.354	.57
408.406	.28	482.342	.53
410.397	.56	496.376	.43
426.392	.60	498.358	.49
427.401	.45	499.344	.70
431.421	.58	500.351	.53

Column m<sub>ph</sub> contains photographic magnitudes with a mean error of 0<sup>m</sup>.07. The material used is Ilford Zenith Astronomical with 10 minutes exposures. The observations were carried out at the "G. Horn D'Arturo" observatory at Bologna.

The list shows a 0<sup>m</sup>.5 mean variation of BD +55<sup>o</sup>2691. At present we are observing photoelectrically the star to find out the kind of variation and an eventual period.

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