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PHOTOGRAPHIC OBSERVATIONS OF EE CEPHEI AT THE 1969 MINIMUM

From 1968 to 1970 we observed photographically a field centred on EE Cep. It has been accepted that this star, discovered by Romano in 1952 to be a variable (1956, Coelum, 24,135), is an eclipsing binary having a period of 2049 days. Minima were observed by Romano (1956), by Weber (1956, Pubbl.Spec.Ariel, 4;1956,D.D.O.,9), by Romano and Perissinotto (1966,Mem.S.A.It.,37,255) and by Meinunger (1973, M.V.S.,6,89).

We give here our observations carried out at the "G.Horn D'Arturo" observatory at Bologna (Baldinelli,1972, Coelum,40, 175) during the 1969 minimum.

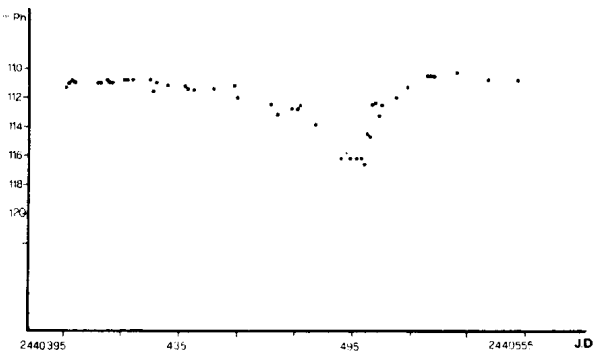
The photographs were taken at the prime focus of the 35 cm reflector of our observatory. The plates used were Ilford Zenith Astronomical with a 10 minutes exposure.

For the work the plates were estimated visually by two observers, the mean difference being 0.05 mag., and by using the magnitude comparison sequence given by Romano (1956).

The minimum was found to occur on J.D. 2440493 \pm 1.

The following table gives our observations near the period of this minimum. We also give the light-curve for the same minimum.

J.D.	mag _{pg}	J.D.	mag _{pg}	J.D.	mag _{pg}	J.D.	mag _{pg}
2440397	11.13	2440425	11.08	2440469	11.32	2440502	11.25
398	11.10	426	11.16	474	11.28	503	11.24
399	11.08	427	11.10	476	11.28	504	11.33
400	11.10	431	11.12	477	11.25	505	11.25
407	11.10	437	11.12	482	11.38	510	11.20
408	11.10	438	11.14	491	11.62	514	11.13
410	11.08	439	11.25	494	11.62	522	11.05
411	11.10	440	11.15	496	11.62	523	11.05
412	11.11	447	11.14	498	11.62	524	11.05
416	11.08	454	11.12	499	11.65	532	11.04
417	11.08	455	11.20	500	11.45	543	11.08
419	11.08	467	11.25	501	11.47	553	11.08



EE Cephei minimum light curve (1969).

PHOTOGRAPHIC OBSERVATIONS OF EE CEPHEI AT THE 1975 MINIMUM

We give here our observations carried out at the "G.Horn D'Arturo" observatory at Bologna (Baldinelli, 1972, Coelum, 40, 175) during the 1975 minimum. The photographs were taken at the newtonian focus of the 35 cm reflector of our observatory. The plates were Ilford Zenith Astronomical with a 10 to 20 minutes exposure. The plates were estimated by using the magnitude comparison sequence given by Meinunger (1975, IBVS, 965).

The following table gives our observations near the period of this minimum.

J.D. 2442000+	mag. ph	No. of plates	J.D. 2442000+	mag. ph	No. of plates
525	11.1	1	543	12.6	6
530	11.3	2	547	12.6	4
531	11.2	4	548	12.2	6
532	11.2	3	549	12.2	4
533	11.2	2	550	12.0	7
534	11.3	4	551	11.8	2
535	11.3	2	552	11.5	2
542	12.6	3			

MINIMA OF ECLIPSING VARIABLES

The list below contains minima of eclipsing variables observed at the "G.Horn D'Arturo" observatory at Tizzano, near Bologna.

The observations were made with the 350 mm ϕ , f=180 cm newtonian reflector and an unrefrigerated photometer employing an LP21 and V filter (UBV international system). The timings were reduced by the tracing paper method.

Star	J.D. hel.	O - C	N
	2442....		
W UMa	083.3801	-0.0060*	29
	121.4141	-0.0067*	25
	157.4480	-0.0058*	39
	158.4485	-0.0062*	35
U CrB	245.9227	0.0212**	***

* elements from SAC
 ** elements from GCVS
 *** normal minimum

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