

Dear Feyn,

Here is the final section to my notes. I am in the process of correcting and repairing the earlier sections. They will be

- I High Symmetry
- II Sakata Model
- III Eightfold Way
- IV Mass Sum Rules, and other Consequences
- V Gauge Invariance
- VI Analog Symmetry
- VII Spontaneous Breakdown of Symmetry

I, II, III and VI are about done. For IV and V, I am awaiting a copy of the notes I left with the secretary, at Roberts College, as well as the list of references. I will send things off as soon as possible.

Thanks again for the opportunity to spend a wonderful three weeks in Istanbul

Best regards,
Sheldon

Monday 20 Aug. ✓

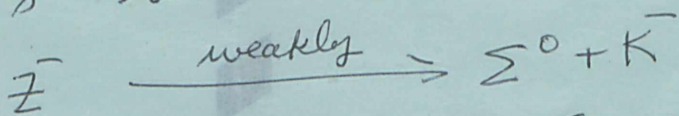
Dear Feyn

I am sending you § I, II, III, VI by air under separate cover today. § VII I mailed last week, but § IV and § V I have not yet received a copy of to correct. I hope everything will be in order.

Meanwhile, ^{SAKURAI and} I feel more enthusiastic about $SU(3)$ than ever!

I Believing the 10-fold way, we predict a $Y = -2, Q = -1, T = 0$ baryon state at 1679 (Remember the equal spacing rule - 1238 - 1385 - 1532 - 1679)

this particle may be identified with the Eisenberg hyperon, (Phys. Rev. 1954) if it has mass 1690 MEV, and Eisenberg's event is



No others are seen because $Q = 5$ MEV, which Q of $\bar{\Sigma}^- \rightarrow \bar{\Xi} + \pi$ is 230 Mod.

II The 1020 MPV $\bar{K}K$ resonance in the Aug 15 Phys. Rev. letter is most likely vector (else, why no $\pi^+\pi^-$ mode?) the existence of a second $Y=0, T=0$ vector state explains the discrepancy of vector mesons with the mass formula!
Note that $\frac{1}{2}[1020 + 780] = 900$, which is where

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the mass formula predicts the ω . (ask me no questions!)

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AEROGRAM

LUFTPOST
PAR AVION



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% PROF. KOTREL
ROBERT COLLEGE
ISTANBUL - BEBEK
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S. GLASHOU

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Shelly
Answer

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ТЕЛЕГРАФИ: АНГЛИСКИ, СОФИНАСЕН
СОФИНАСЕН ДЕНМАРК
БЛЕГДАМСВЕИ 17

Dear Feyn

Enclosed are corrected versions of IV and V. The references follow within two days - I want to replace "preprint" by more explicit references.

It seems definite that 885 $K\pi$ resonance is spin one, which changes the situation a bit ($\Gamma = 47$ MeV). The Ξ^- spin should be known soon, at last.

From my point of view, the summer school was a total success. My warmest thanks for making possible my fond memories of Oriental splendor.

Yours,
Shelton

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