

## ÉCOLE D'ÉTÉ DE PHYSIQUE THÉORIQUE

LES HOUCHES (HAUTE-SAVOIE)

TÉLÉPHONE : 69

July 24, 1959

Dr. Feza Gürsey  
 Department of Physics  
 Brookhaven National Laboratory  
 Upton, L.I., N.Y.

Dear Dr. Gürsey:

I have received with great pleasure your letter of June 2. We are very happy you accepted to teach a course at the Summer School.

I am enclosing a tentative program for the 1960 session. It may be slightly modified according to the comments I may receive from the various lecturers.

The whole subject matter has to be covered within 8 weeks and this will give an idea of the length of time you can devote to the applications of group theory. I shall let you know more precisely how the courses fit together as soon as I hear from the other lecturers which I am also contacting.

The budget for 1960 session has not be voted yet. I imagine it will be the same as 1959 :

- Salary : on the basis of French Francs 200.000.- a month.
- Travel expenses : reimbursed at 1st class rate within France, for the lecturer.  
 If you have any problem for your transatlantic transportation, please let me know and I will see what I can do.  
 I presume you are not a U.S. citizen and not eligible for a Fulbright grant. Can you confirm this point to me.
- Per diem : French Francs. 2.220.- a day.
- Lodging : free at the School for the lecturer and his family.
- Food : at the School Restaurant - approximately French Francs 1.200.- a day, per adult.

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- Royalties for the lecture notes : the royalties are paid directly by the publisher at the rate of 10 % of the selling price proportionally to the contribution of each author.

As you may know, the lecture notes are now published by a publisher so that we can meet the large demand made for them. The 1958 notes "The Many Body Problem" have been published by Dunod. The 1959 notes "The Theory of Neutral and Ionized Gases" will be published by Hermann. We have to give to the publisher the complete set quite ready for publication no later than September 1st.

I shall be very happy to see you in the States when I come back and discuss with you the plans for the summer.

Yours sincerely,

*Cécile DeWitt*

Cécile DeWitt

Encl. 1 -

- Travel : ... within France, for the lecturer.
- Par dia : ... 2.230.- a day.
- Lodging : ... for the lecturer and his family.
- Food : ... restaurant - approximately French France 1.300.- a day.

INTERACTIONS FORTES DES PARTICULES ELEMENTAIRES

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I - Relations de dispersion -

a) Techniques mathématiques :

Fonctions de plusieurs variables complexes

Equation du type de Low

b) Méthodes de Wightman : propriétés d'analyticité des fonctions de Green

c) Relations de dispersion de Mandelstam

- Interaction  $\pi - \bar{\pi}$

- Facteurs de forme électromagnétique du nucléon

d) Relations de dispersion classiques

Démonstration

Applications

2 - Groupe de Lorentz -

- Etude théorique, groupe de Lorentz complet (parité, inversion de sens du temps ...)  
Théorème P. C. T.

- Application à l'étude de la polarisation

3 - Particules élémentaires -

a) Particules étranges :

- Résultats expérimentaux

- Etudes phénoménologiques

- Applications de la théorie des groupes

b) Progrès récents en physique du méson  $\bar{\pi}$

- Photoproduction et scattering entre 500 MeV et 1 BeV

c) Production de particules à très haute énergie (jets)

**Boğaziçi Üniversitesi**

**Arşiv ve Dokümantasyon Merkezi**

**Kişisel Arşivlere İstanbul'da Bilim, Kültür ve Eğitim Tarihi**

**Feza Gürsey Arşivi**



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