

2021 - PROJECT WORK PLAN

Tema II.1 → 364 zile-om

- a) Strong QED field in intense laser fields (Part 2) → 182 zile-om
- b) Spontaneous pair production via Schwinger mechanism (Part 1) → 182 zile-om

Tema II.2 → 91 zile-om

- a) Preparation of a blue paper for experimental test of some QED nonperturbative effects (Part 1) → 91 zile-om

Tema II.3 → 364 zile-om

- a) Laser strong field - matter interactions (Part 2) → 182 zile-om
- b) Strong-field quantum effects and pair production by Breit-Wheeler process (Part 2) → 182 zile-om

Tema II.4 → 364 zile-om

- a) Lectures on specific topics for collaborators to create a strong theoretical and experimental team (Part 2) → 182 zile-om
- b) Lectures for young people and high school students "Saturday Morning Physics" (Part 2) → 182 zile-om

Responsabilitati

- List each member, his/her role in project and the Full Time Equivalent (FTE) time in project. The FTE formula to be used is: $FTE = \text{Total number of worked hours} / \text{Total number of hours per reporting period}^1$

PENTIA MIRCEA-CONSTANTIN – project manager,

II.1 a) Strong QED field in intense laser fields (50%)

II.1 b) Spontaneous pair production via Schwinger mechanism (100%)

II.4 a) Lectures on specific topics for collaborators to create a strong theoretical and experimental team (100%)

Full Time Equivalent (FTE) in the reported period: 510 ore / 2008 ore = 0.25 FTE

PETRASCU HORIA – group member

II.2 Preparation experimental tests of QED nonperturbative effects (100%)

II.3 a) Laser strong field - matter interactions (50%)

Full Time Equivalent (FTE) in the reported period: 350 ore / 2008 ore = 0.17 FTE

DUMITRIU DANA-ELENA – group member

II.1 a) Strong QED field in intense laser fields (50%)

II.4 b) Lectures for young people and high school students "Saturday Morning Physics" (100%)

Full Time Equivalent (FTE) in the reported period: 350 ore / 2008 ore = 0.17 FTE

IONESCU REMUS-AMILCAR – group member

II.3 a) Laser strong field - matter interactions (50%)

II.3 b) Strong-field quantum effects and pair production by Breit-Wheeler process (100%)

Full Time Equivalent (FTE) in the reported period: 350 ore / 2008 ore = 0.17 FTE

¹ Total number of hours (for a certain period) = 167.333 average monthly hours x number of months (e.g., for a full year: 167.333 hours/month x 12 months = 2008 hours)

Planificare seminarii

In fiecare joi seminariile vor fi in urmatoarea ordine ciclic:

1. Mircea Pentia
2. Amilcar Ionescu
3. Mircea Pentia
4. Dana Dumitriu
5. Mircea Pentia
6. Horia Petrascu