

To: Jes Staley [REDACTED]
From: Jeffrey Epstein
Sent: Fri 11/6/2009 8:14:39 PM
Subject: your daughter can go

jeff -- I hope it will work as well as for you (or close at least)-- I put a bunch of money from my academic startup to this-- so in my case it costs me but I am convinced it is worth it- I wanted to let you know and thank you for setting a grand example-- greetings to the family- I really please want the picture you took of me with the cylon if you get a chance [REDACTED]

Draft, Nov 2 (not for circulation)

"The Physics of the Universe" Summit

Hosted at SpaceX, Caltech and the Andaz West Hollywood Hyatt, January 8,9,10 2010

To accomplish the extraordinary, you must seek extraordinary people. — James Lee Byars

In this two day retreat we hope to bring together the top minds (thinkers and doers) in the fields of the physics of the universe both theoretical and experimental. We want to ask and answer questions like "How much can we understand about the universe, soon?" "What is the role of theory and of experiment in getting there?" "Are there things we may not understand?" and "How much of what we think we know might be wrong?". The meeting fosters discussion and we are convinced that when the best people talk the outcome is advance and growth. We are hoping we can avoid standard prepared talks, and focus on exciting forefront issues, where there may be differences of opinion, or new results that will provoke wide discussion. You will receive more information about the program and your own possible role in the near future. The summit is inspired by the onset of the Large Hadron Collider, the Planck mission, the recent results by satellite and ground based experiments on dark matter searches, and the vast progress in theory. Also by meetings such as the LHC Olympics, and the workshops of the past years at the MCTP, KITP and Perimeter as well as interdisciplinary gatherings of the ASU Origins, the Edge Master-Classes and Google's SciFoo.

Venues/Highlights:

1. The first day of the summit will be held at the headquarters of [SpaceX](#). The end of the day will be marked by Elon Musk giving a tour of his "Falcon" and "Dragon" construction and missions. A Tesla surprise will be built into the tour.
2. The second day will be held at Caltech's [Cahill Center](#) for Astronomy and Astrophysics.
3. Participants will be housed at the [The Andaz West Hollywood Hyatt Hotel](#) where the kick-off reception and dinner will be given, sponsored by Nick Pritzker.
4. The closing of the meeting will be a premiere of a short film by [Jesse Dylan](#) on the LHC.
5. The summit is by invitation only; There is no registration or other fees; Just make your way to LA and the rest is covered (limited air travel support will be available for younger participants).

Invited Participants include: Steven Weinberg, Mathew Buckley, Frank Wilczek, Neil Weiner, Savas Dimopoulos, Liantao Wang, Cumrun Vafa, Dan Chung, Nima Arkani-Hamed, Aaron Pierce, Lisa Randall, David Gross, Gordy Kane, Joe Lykken, Kip Thorne, Chiara Nappi, Edward Witten, Gia Dvali, John Schwarz, Nati Seiberg, Mike Turner, Rocky Kolb, David Politzer, Lawrence Krauss, Steve Myers, Barry Barish, Hiroshi Ooguri, Marc Kamionkowski, Stephen Hawking, Mark Wise, Andrew Lange, Roger Blanford, Sunil Golwala, Sean Carroll, John Preskill, Fabiola Gianotti, Laura Baudis, David Saltzberg, Asimina Arvanitaki, Kathryn Zurek, Mirko Boezio, and others (to be ordered alphabetically).

Friday January 8, 6 pm	Cocktail Reception/Dinner	Andaz Hotel
Saturday January 9		
7:30/8:30	Group breakfast at private dining room	Andaz Hotel
8:30/9:15	Buses to SpaceX	SpaceX
9:30/10:00	"Duelling Big Pictures: Duel 1"	
10:10/10:40	"Duel" 2	
10:50/11:20	"Duel" 3	

11:30/12:00	"Duel" 4	
12:15 /14:00	Lunch	
14:00/15:00	Panel/Round Table Discussion on "Duels"	
15:00/15:30	Coffee Break	
15:30/17:30	10 minutes contributions from participants [10 slides max- 6 presentations + discussion]	
17:45/18:40	SpaceX tour	Elon Musk
18:40/19:30	Buses to Andaz Hotel	
20:00/22:00	Dinner Party	Andaz Hotel

Sunday January 10

7:30/8:30	Group breakfast at private dining room	Andaz Hotel
8:30/9:15	Buses to Cahill/Caltech	
9:30 /11:00	3 deconstruction talks: What we think we really know, but maybe we don't?	Cahill auditorium/Caltech
10:30/11:00	Coffee Break	Cahill Center library and patios
11:00/12:00	Panel/Round Table Discussion on deconstruction talks	
12:00/13:00	Feature of "Firsts and Recents" : first LHC collisions data/ first Planck data/recent CDMS opened box/other	
13:00/14:00	Lunch	Cahill Center library and patios
14:30/16:30		Cahill auditorium
16:30/17:00	Coffee break	
17:00/18:30	3 closing summaries 30 mins each synthesis/antithesis/diagnosis/prognosis	

19:00 -20:00 Première of Jesse Dylan's LHC movie (10mins) & Closing Cocktail Reception

Gordy Kane, Joe Lykken and Maria Spiropulu with Andrew Lange, Mark Wise, Marc Kamionkowski, Sunil Golwala and with advice from [Steven Weinberg](#), [Nima Arkani-Hamed](#) and [Savas Dimopoulos](#)

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