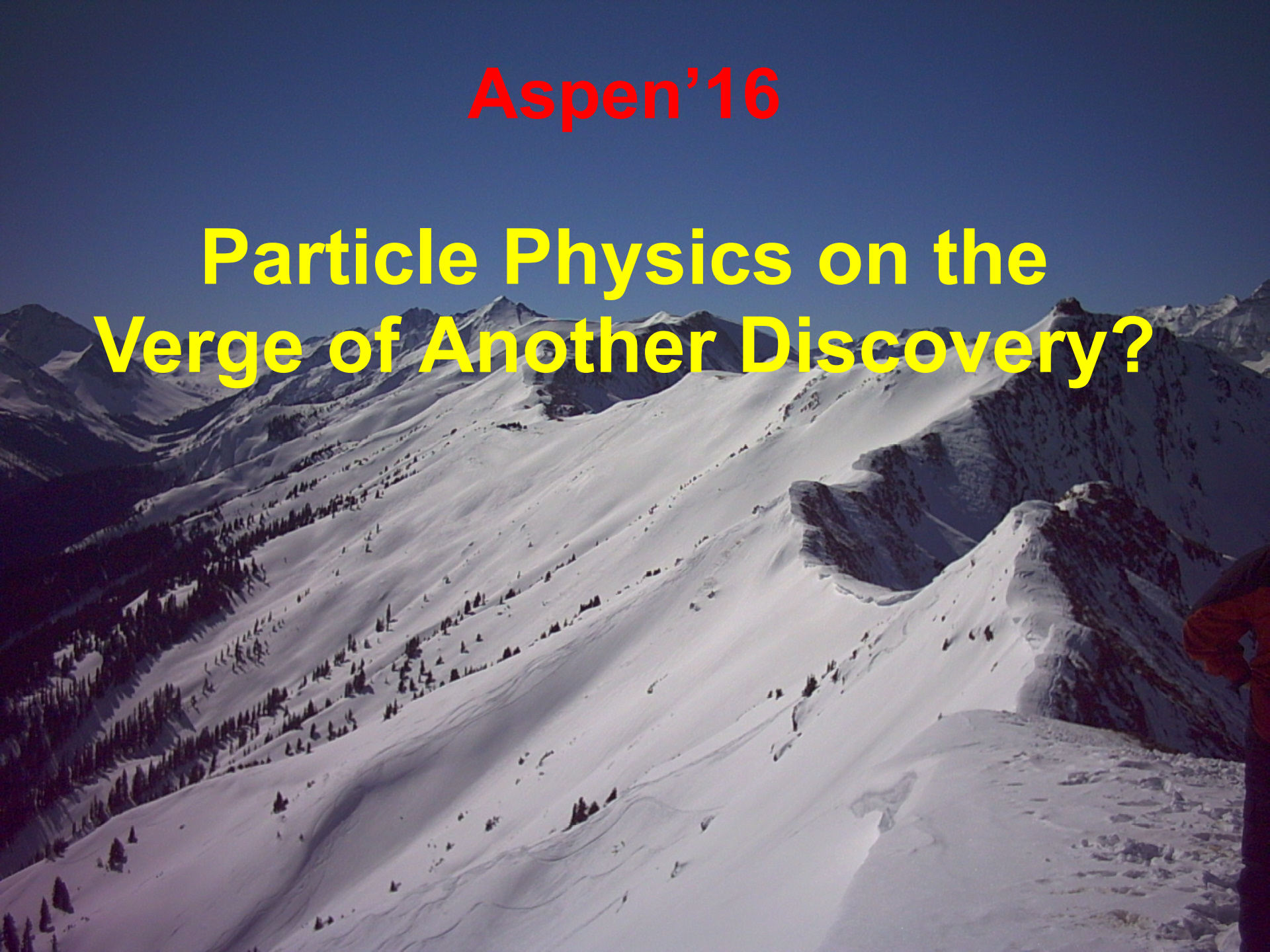


**Aspen'16**

**Particle Physics on the  
Verge of Another Discovery?**



# The Ambiance



# The Race Course



Course ▲	Par Time	Pacesetter	Pacesetter Time	Pacesetter Handicap	Handicap Type
Green	16.63	Joe Skinner	18.13	9.00	GS (Coat)
Yellow	16.70	Joe Skinner	18.21	9.00	GS (Coat)

10 Attendees Participated in the Race!

# The Scores

- Normalized score: “handicap” takes into account the race track (yellow or green) and is based on the reference (“Par”) time determined by the pacesetter
- Handicap of 50 means that your time was 50% worse than it would be for an Olympic medalist (par time)
- Depending on your age and gender, certain ranges of handicaps correspond to bronze, silver, gold, and platinum medals

# The Winners

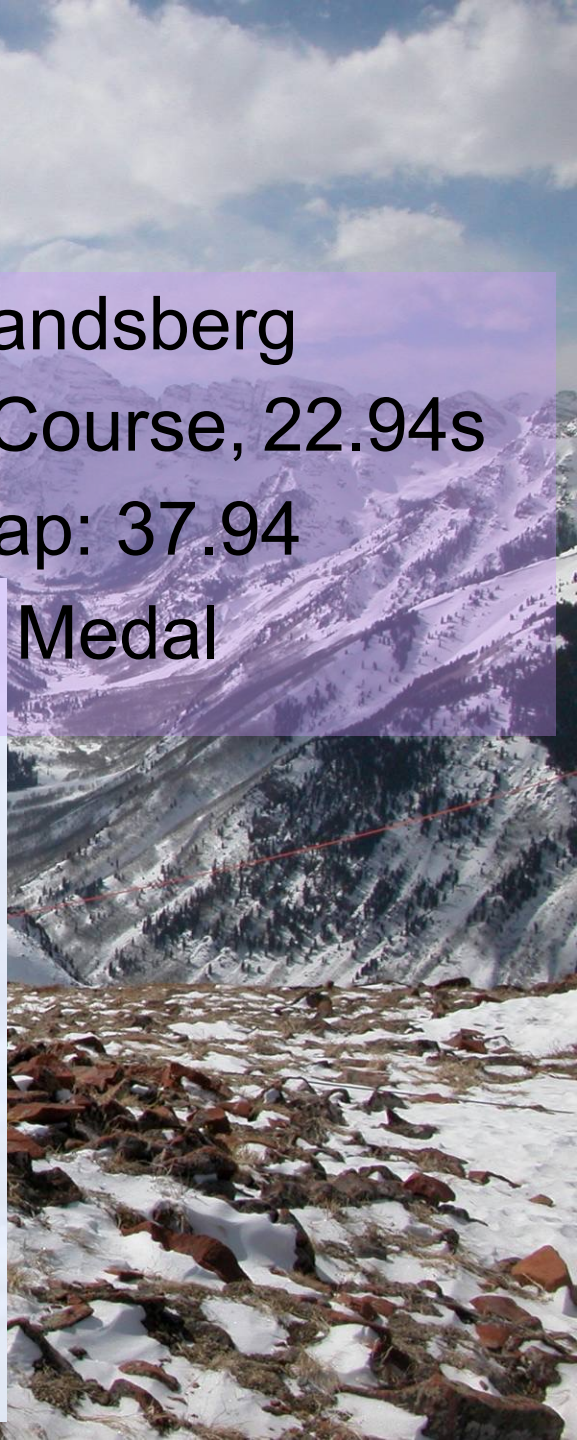
# The Winner

- Andreas Crivellin
- Green Course, 22.69s
- Handicap: 36.44
- Bronze medal



# Second Place

- Greg Landsberg
- Green Course, 22.94s
- Handicap: 37.94
- Bronze Medal



# Third Place

- Fabio Maltoni
- Yellow course, 23.20s
- Handicap: 39.51
- Bronze medal
- Also: persistency award (7 runs!)





...wait, there are more!

# The Fastest Woman

- Giulia Zanderighi
- Green course, 24.31s
- Handicap: 46.18
- Silver medal
- 27.51 (LO) - None
- 25.91 (NLO) - Bronze
- 25.41 (NNLO) - Bronze
- 25.18 (N<sup>3</sup>LO) - Bronze
- 25.06 (N<sup>4</sup>LO) - Bronze
- 24.31 (N<sup>5</sup>LO) - Silver



# Other Medals

- **Bronze:**
  - **Jordan Goodman (26.00s)**



# UFO Award



If this is you or you know who this is, speak up!

**And Finally ...**

# “Go Savvas!” Award

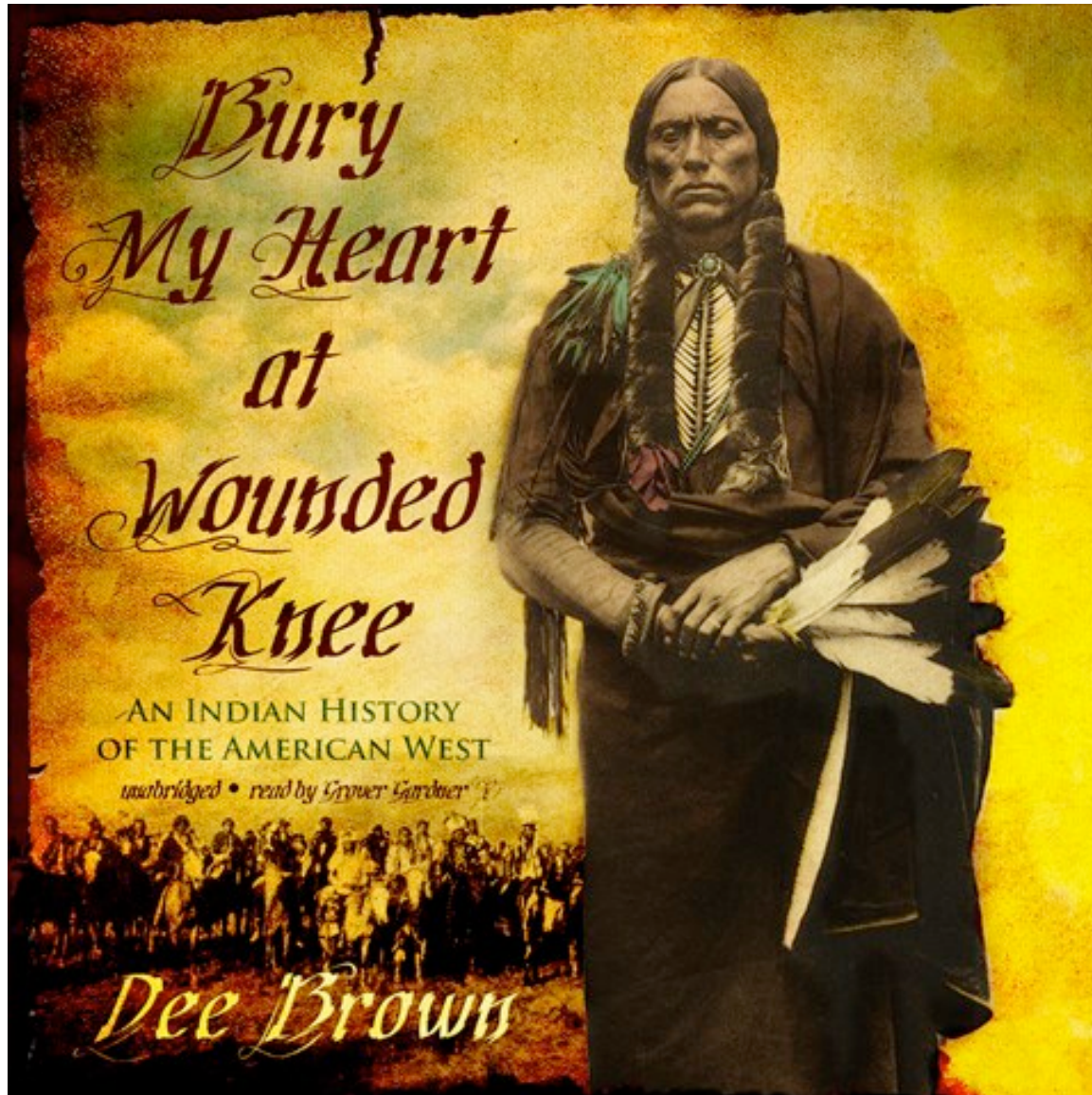
- Savvas Koushiappas
- Yellow course, 36.14s
- Handicap: 129.22

Andrew H



...wait, there are even more!

# The Wounded Knee Award



**Ludovica Aperio  
Bella**

Chaos in the  
Kitchen = Symmetry  
at the Table

Block, Beate

Note: This is not the actual book cover



# The Best Costume Award

**Carlos “Banana” Salgado**



# The Best Selfie Award

**Matthias Neubert**



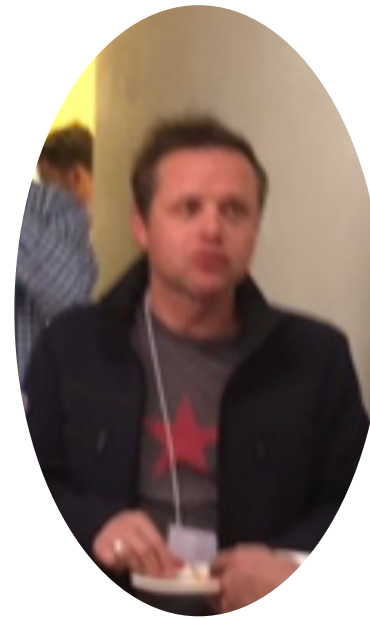
# The Best Dressed Participant Award

**Marcela Carena**



# The Keeping it On Time Award

**Silvia Borghi &  
Julien Cogan  
... and the LHCb  
Collaboration**



# The Best Slide Award

**John Campbell**



## Fun facts about dogs

- The largest breed of dog is the Irish Wolfhound.
- Puppies do not know how to walk when first born; they usually learn when they are 2-5 weeks old.
- Two nose prints are never exactly alike.
- More than 50 dogs have lived in the White House!
- Dogs are able to smell things that we can't.
- They can see much better in the dark than we can.

Humans do have more taste buds than dogs- in fact, we have about 9,000 of them!

**WOW!**

# The Most Lavish Missed Dinner Award

**Mark Messier**



# The Turning Eighty (and going strong) Award



**Virgil Barnes &  
Dino Goulianos**



... and now the quiz



**Q1: Who, among the participants, used highest number of aliases?**

**Q1: Who, among the participants, used highest number of aliases?**

**A1: Marumi Kado, a.k.a. Brian Cole & Silvia Pascoli**

**Q2: Giulia, having been passed by Greg on the racing course screams in pure  $F_6$ , which Greg hears as pure  $E_6$  tone. How fast was Greg going?**

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**A2:  $f' = f(c - v_{\text{Greg}})/(c - v_{\text{Giulia}}) \approx f(1 - \beta_{\text{Greg}})$ .  $f' = f/1.06$  (equally tempered octave); hence  $\beta_{\text{Greg}} = 1 - f'/f \approx 0.06$ ; thus  $v_{\text{Greg}} = 0.06c = 20 \text{ m/s}$  (totally true!)**

... and now the real award

**RESOLUTION**

**Approved by the Board of Trustees of the Aspen  
Center for Physics,  
July 12, 2005**

***Whereas generous gifts and pledges have been received  
for a Martin and Beate Block Scholarship Fund, and***

***Whereas scholarships to enable young scientists to  
participate in the programs of the Center are a  
recognized need of the Center, and***

***Whereas it is appropriate to recognize the many  
contributions of Martin and Beate Block to the Center,***

***Therefore, be it resolved by the Board of Trustees of the  
Aspen Center for Physics that these gifts and pledges be  
accepted, with suitable expressions of gratitude,***

***And that the gifts and pledges be used to establish an  
endowment whose income shall fund the Martin and  
Beate Block Scholarships for young participants in the  
Winter Conferences.***

***Be it further resolved that the endowment be invested  
under the supervision of the Treasurer, in consultation  
with the Finance Committee, in a manner consistent with  
responsible practices of major universities, to maximize  
income while prudently preserving the value of the  
principal.***